# Numerical basedon Electrical Force and Potential

1. If the Charge of a particle is $1.2 \times 10^{-5}$ coulomb and is at a distance of 0.2 meter from a positve charge of $2.4 \times 10^{-6}$ coulomb . Then find the Electrostatic Force between them and locate the neutral point between the charges also find total electrical potential at neutral point.

2. If Four charges $Q_1 = 3.6 \times 10^{-5}$ Coulomb, $Q_2 = -2 \times 10^{-5}$ Coulomb , $Q_3 = 9.6 \times 10^{-5}$ Coulomb $Q_4 = $-0.000112 Coulomb are placed at three points. As A ( 3,6) , B ( 1,9) , C ( -1,9) and D (-2,20) then Find Net electrostatic force on charge at D and Net electrostatic Potential at the mid point of AB.

3. If the Charge of a particle is $3.6 \times 10^{-6}$ coulomb and is at a distance of 0.2 meter from a positve charge of $7.2 \times 10^{-7}$ coulomb . Then find the Electrostatic Force between them and locate the neutral point between the charges also find total electrical potential at neutral point.

4. If the Charge of a particle is $4.8 \times 10^{-6}$ coulomb and is at a distance of 0.2 meter from a positve charge of $9.600001 \times 10^{-7}$ coulomb . Then find the Electrostatic Force between them and locate the neutral point between the charges also find total electrical potential at neutral point.

5. If three charges $Q_1 = 8.5 \times 10^{-5}$ Coulomb, $Q_2 = -4.5 \times 10^{-5}$ Coulomb and $Q_3 = 5.5 \times 10^{-5}$ Coulomb are placed at three points. As A ( 6,4) , B ( 4,2) and C ( 7,2) then Find Net electrostatic force on charge at C and net eletrostatic potential at the mid point of AB line.

6. If three charges $Q_1 = 6.6 \times 10^{-5}$ Coulomb, $Q_2 = -4.8 \times 10^{-5}$ Coulomb and $Q_3 = 4.8 \times 10^{-5}$ Coulomb are placed at three points. As A ( 4,3) , B ( 2,14) and C ( 12,12) then Find Net electrostatic force on charge at C and net eletrostatic potential at the mid point of AB line.

7. If Four charges $Q_1 = $ -3.8$\times 10^{-5}$ Coulomb, $Q_2 = $ 1.8$\times 10^{-5}$ Coulomb , $Q_3 = $ -5.8$\times 10^{-5}$ Coulomb $Q_4 = 3.6 \times 10^{-5}$ Coulomb are placed at three points. As A ( 6,4) , B ( 7,4) , C ( 6,7) and D (6,26) then Find Net electrostatic force on charge at D and Net electrostatic Potential at the mid point of AB.

8. If three charges $Q_1 = $ 1.9$\times 10^{-5}$ Coulomb, $Q_2 = $ -5$\times 10^{-6}$ Coulomb and $Q_3 = 2.9 \times 10^{-5}$ Coulomb are placed at three points. As A ( 1,1) , B ( 13,2) and C ( 1,4) then Find Net electrostatic force on charge at C and net eletrostatic potential at the mid point of AB line.

9. If Four charges $Q_1 = 5 \times 10^{-5}$ Coulomb, $Q_2 = $ -2.5$\times 10^{-5}$ Coulomb , $Q_3 = 7.5 \times 10^{-5}$ Coulomb $Q_4 = $ -0.000105 Coulomb are placed at three points. As A ( 8,9) , B ( 10,6) , C ( 18,-2) and D (8,27) then Find Net electrostatic force on charge at D and Net electrostatic Potential at the mid point of AB.

10. If the Charge of a particle is $6 \times 10^{-6}$ coulomb and is at a distance of 1.2 meter from a positve charge of $7.2 \times 10^{-6}$ coulomb . Then find the Electrostatic Force between them and locate the neutral point between the charges also find total electrical potential at neutral point.

11. If the Charge of a particle is $1.5 \times 10^{-6}$ coulomb and is at a distance of 0.2 meter from a positve charge of $3 \times 10^{-7}$ coulomb . Then find the Electrostatic Force between them and locate the neutral point between the charges also find total electrical potential at neutral point.

12. If the Charge of a particle is $3 \times 10^{-6}$ coulomb and is at a distance of 0.6 meter from a positve charge of $1.8 \times 10^{-6}$ coulomb . Then find the Electrostatic Force between them and locate the neutral point between the charges also

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find total electrical potential at neutral point.

13. If three charges $Q_1 = 0.000128$ Coulomb, $Q_2 = $-5.6$\times 10^{-5}$ Coulomb and $Q_3 = 0.000216$ Coulomb are placed at three points. As A ( 7,7) , B ( 14,6) and C ( 17,19) then Find Net electrostatic force on charge at C and net eletrostatic potential at the mid point of AB line.

14. If three charges $Q_1 = 4 \times 10^{-5}$ Coulomb, $Q_2 = $-4.5$\times 10^{-5}$ Coulomb and $Q_3 = 1.5 \times 10^{-5}$ Coulomb are placed at three points. As A ( 6,6) , B ( 8,8) and C ( 1,5) then Find Net electrostatic force on charge at C and net eletrostatic potential at the mid point of AB line.

15. If the Charge of a particle is $4.5 \times 10^{-6}$ coulomb and is at a distance of 0.2 meter from a positve charge of $9 \times 10^{-7}$ coulomb . Then find the Electrostatic Force between them and locate the neutral point between the charges also find total electrical potential at neutral point.

16. If the Charge of a particle is $6 \times 10^{-6}$ coulomb and is at a distance of 0.6 meter from a positve charge of $3.6 \times 10^{-6}$ coulomb . Then find the Electrostatic Force between them and locate the neutral point between the charges also find total electrical potential at neutral point.

17. If the Charge of a particle is $4.5 \times 10^{-6}$ coulomb and is at a distance of 0.2 meter from a positve charge of $9 \times 10^{-7}$ coulomb . Then find the Electrostatic Force between them and locate the neutral point between the charges also find total electrical potential at neutral point.

18. If the Charge of a particle is $3 \times 10^{-6}$ coulomb and is at a distance of 0.2 meter from a positve charge of $6 \times 10^{-7}$ coulomb . Then find the Electrostatic Force between them and locate the neutral point between the charges also find total electrical potential at neutral point.

19. If three charges $Q_1 = 0.000162$ Coulomb, $Q_2 = $-8.100001$\times 10^{-5}$ Coulomb and $Q_3 = 0.000234$ Coulomb are placed at three points. As A ( 1,9) , B ( 11,10) and C ( 14,6) then Find Net electrostatic force on charge at C and net eletrostatic potential at the mid point of AB line.

20. If Four charges $Q_1 = 9.1 \times 10^{-5}$ Coulomb, $Q_2 = $-2.8$\times 10^{-5}$ Coulomb , $Q_3 = 0.000126$ Coulomb $Q_4 = $-9.8$\times 10^{-5}$ Coulomb are placed at three points. As A ( 2,6) , B ( 8,11) , C ( 16,8) and D (4,16) then Find Net electrostatic force on charge at D and Net electrostatic Potential at the mid point of AB.

21. If three charges $Q_1 = 1.6 \times 10^{-5}$ Coulomb, $Q_2 = $-2.8$\times 10^{-5}$ Coulomb and $Q_3 = 4.8 \times 10^{-5}$ Coulomb are placed at three points. As A ( 4,5) , B ( 5,4) and C ( 12,12) then Find Net electrostatic force on charge at C and net eletrostatic potential at the mid point of AB line.

22. If Four charges $Q_1 = 2.8 \times 10^{-5}$ Coulomb, $Q_2 = $-1.6$\times 10^{-5}$ Coulomb , $Q_3 = 0.000116$ Coulomb $Q_4 = $-6.8$\times 10^{-5}$ Coulomb are placed at three points. As A ( 0,6) , B ( 4,8) , C ( 0,13) and D (-1,16) then Find Net electrostatic force on charge at D and Net electrostatic Potential at the mid point of AB.

23. If three charges $Q_1 = 0.000162$ Coulomb, $Q_2 = $-5.4$\times 10^{-5}$ Coulomb and $Q_3 = 0.000126$ Coulomb are placed at three points. As A ( 3,6) , B ( 3,5) and C ( 7,18) then Find Net electrostatic force on charge at C and net eletrostatic potential at the mid point of AB line.

24. If the Charge of a particle is $8.1 \times 10^{-6}$ coulomb and is at a distance of 0.6 meter from a positve charge of $4.86 \times 10^{-6}$ coulomb . Then find the Electrostatic Force between them and locate the neutral point between the charges also find total electrical potential at neutral point.

25. If three charges $Q_1 = 0.000152$ Coulomb, $Q_2 = $-4$\times 10^{-5}$ Coulomb and $Q_3 = 5.6 \times 10^{-5}$ Coulomb are placed at three points. As A ( 8,2) , B ( 10,2) and C ( 10,3) then Find Net electrostatic force on charge at C and net eletrostatic potential at the mid point of AB line.

26. If the Charge of a particle is $4.8 \times 10^{-6}$ coulomb and is at a distance of 0.8 meter from a positve charge of $3.84 \times 10^{-6}$ coulomb . Then find the Electrostatic Force between them and locate the neutral point between the charges also find total electrical potential at neutral point.

27. If three charges $Q_1 = 6.4 \times 10^{-5}$ Coulomb, $Q_2 = $-7.2$\times 10^{-5}$ Coulomb and $Q_3 = 0.000128$ Coulomb are placed at three points. As A ( 7,8) , B ( 13,3) and C ( 9,10) then Find Net electrostatic force on charge at C and net

eletrostatic potential at the mid point of AB line.

28. If Four charges $Q_1 = 4.5 \times 10^{-5}$ Coulomb, $Q_2 = $-3$\times 10^{-5}$ Coulomb , $Q_3 = 0.000155$ Coulomb $Q_4 = $-0.00011 Coulomb are placed at three points. As A ( 5,1) , B ( 1,14) , C ( 12,8) and D (-4,21) then Find Net electrostatic force on charge at D and Net electrostatic Potential at the mid point of AB.

29. If Four charges $Q_1 = 1.9 \times 10^{-5}$ Coulomb, $Q_2 = $-4$\times 10^{-6}$ Coulomb , $Q_3 = 1.5 \times 10^{-5}$ Coulomb $Q_4 = $-2.1$\times 10^{-5}$ Coulomb are placed at three points. As A ( 9,2) , B ( 11,4) , C ( 15,5) and D (-4,5) then Find Net electrostatic force on charge at D and Net electrostatic Potential at the mid point of AB.

30. If three charges $Q_1 = $-1.1$\times 10^{-5}$ Coulomb, $Q_2 = 9 \times 10^{-6}$ Coulomb and $Q_3 = $-5$\times 10^{-6}$ Coulomb are placed at three points. As A ( 6,2) , B ( 14,11) and C ( 9,8) then Find Net electrostatic force on charge at C and net eletrostatic potential at the mid point of AB line.

31. If three charges $Q_1 = 2.4 \times 10^{-5}$ Coulomb, $Q_2 = $-1.6$\times 10^{-5}$ Coulomb and $Q_3 = 5 \times 10^{-5}$ Coulomb are placed at three points. As A ( 2,7) , B ( 6,1) and C ( 9,16) then Find Net electrostatic force on charge at C and net eletrostatic potential at the mid point of AB line.

32. If three charges $Q_1 = $-1.5$\times 10^{-5}$ Coulomb, $Q_2 = 6 \times 10^{-6}$ Coulomb and $Q_3 = $-2.5$\times 10^{-5}$ Coulomb are placed at three points. As A ( 2,8) , B ( 2,12) and C ( 17,9) then Find Net electrostatic force on charge at C and net eletrostatic potential at the mid point of AB line.

33. If Four charges $Q_1 = $-9$\times 10^{-6}$ Coulomb, $Q_2 = 5 \times 10^{-6}$ Coulomb , $Q_3 = $-3$\times 10^{-5}$ Coulomb $Q_4 = 2.8 \times 10^{-5}$ Coulomb are placed at three points. As A ( 9,8) , B ( 5,8) , C ( 16,3) and D (8,23) then Find Net electrostatic force on charge at D and Net electrostatic Potential at the mid point of AB.

34. If Four charges $Q_1 = 2.8 \times 10^{-5}$ Coulomb, $Q_2 = $-4.9$\times 10^{-5}$ Coulomb , $Q_3 = 2.1 \times 10^{-5}$ Coulomb $Q_4 = $-7.7$\times 10^{-5}$ Coulomb are placed at three points. As A ( 8,1) , B ( 11,2) , C ( 3,1) and D (9,18) then Find Net electrostatic force on charge at D and Net electrostatic Potential at the mid point of AB.

35. If the Charge of a particle is $6.3 \times 10^{-6}$ coulomb and is at a distance of 0.2 meter from a positve charge of $1.26 \times 10^{-6}$ coulomb . Then find the Electrostatic Force between them and locate the neutral point between the charges also find total electrical potential at neutral point.

36. If three charges $Q_1 = 3.8 \times 10^{-5}$ Coulomb, $Q_2 = $-1.4$\times 10^{-5}$ Coulomb and $Q_3 = 8 \times 10^{-6}$ Coulomb are placed at three points. As A ( 5,5) , B ( 8,3) and C ( 2,3) then Find Net electrostatic force on charge at C and net eletrostatic potential at the mid point of AB line.

37. If three charges $Q_1 = 0.000117$ Coulomb, $Q_2 = $-6.3$\times 10^{-5}$ Coulomb and $Q_3 = 0.00018$ Coulomb are placed at three points. As A ( 8,5) , B ( 6,8) and C ( 1,15) then Find Net electrostatic force on charge at C and net eletrostatic potential at the mid point of AB line.

38. If Four charges $Q_1 = 8.4 \times 10^{-5}$ Coulomb, $Q_2 = $-6.3$\times 10^{-5}$ Coulomb , $Q_3 = 9.1 \times 10^{-5}$ Coulomb $Q_4 = $-4.2$\times 10^{-5}$ Coulomb are placed at three points. As A ( 4,7) , B ( 13,3) , C ( 3,3) and D (-1,18) then Find Net electrostatic force on charge at D and Net electrostatic Potential at the mid point of AB.

39. If Four charges $Q_1 = 7.5 \times 10^{-5}$ Coulomb, $Q_2 = $-3$\times 10^{-5}$ Coulomb , $Q_3 = 1.5 \times 10^{-5}$ Coulomb $Q_4 = $-0.000105 Coulomb are placed at three points. As A ( 6,4) , B ( 9,6) , C ( 1,3) and D (5,10) then Find Net electrostatic force on charge at D and Net electrostatic Potential at the mid point of AB.

40. If the Charge of a particle is $4.5 \times 10^{-6}$ coulomb and is at a distance of 0.4 meter from a positve charge of $1.8 \times 10^{-6}$ coulomb . Then find the Electrostatic Force between them and locate the neutral point between the charges also find total electrical potential at neutral point.

41. If Four charges $Q_1 = $-1.7$\times 10^{-5}$ Coulomb, $Q_2 = 9 \times 10^{-6}$ Coulomb , $Q_3 = $-4$\times 10^{-6}$ Coulomb $Q_4 = 2.9 \times 10^{-5}$ Coulomb are placed at three points. As A ( 7,9) , B ( 8,11) , C ( 9,3) and D (8,5) then Find Net electrostatic force on charge at D and Net electrostatic Potential at the mid point of AB.

42. If Four charges $Q_1 = 1.4 \times 10^{-5}$ Coulomb, $Q_2 = $-8$\times 10^{-6}$ Coulomb , $Q_3 = 2.8 \times 10^{-5}$ Coulomb $Q_4 = $-5.8$\times 10^{-5}$ Coulomb are placed at three points. As A ( 3,7) , B ( 0,6) , C ( 4,17) and D (8,6) then Find Net electrostatic

force on charge at D and Net electrostatic Potential at the mid point of AB.

43. If the Charge of a particle is $6 \times 10^{-7}$ coulomb and is at a distance of 0.8 meter from a positve charge of $4.8 \times 10^{-7}$ coulomb . Then find the Electrostatic Force between them and locate the neutral point between the charges also find total electrical potential at neutral point.

44. If the Charge of a particle is $1.2 \times 10^{-6}$ coulomb and is at a distance of 0.4 meter from a positve charge of $4.8 \times 10^{-7}$ coulomb . Then find the Electrostatic Force between them and locate the neutral point between the charges also find total electrical potential at neutral point.

45. If three charges $Q_1 = 5.6 \times 10^{-5}$ Coulomb, $Q_2 = $ -3.2$\times 10^{-5}$ Coulomb and $Q_3 = 8 \times 10^{-5}$ Coulomb are placed at three points. As A ( 4,8) , B ( 9,11) and C ( 2,8) then Find Net electrostatic force on charge at C and net eletrostatic potential at the mid point of AB line.

46. If three charges $Q_1 = 1.5 \times 10^{-5}$ Coulomb, $Q_2 = $ -2.1$\times 10^{-5}$ Coulomb and $Q_3 = 8.7 \times 10^{-5}$ Coulomb are placed at three points. As A ( 3,6) , B ( 12,10) and C ( 4,13) then Find Net electrostatic force on charge at C and net eletrostatic potential at the mid point of AB line.

47. If the Charge of a particle is $3.6 \times 10^{-6}$ coulomb and is at a distance of 0.6 meter from a positve charge of $2.16 \times 10^{-6}$ coulomb . Then find the Electrostatic Force between them and locate the neutral point between the charges also find total electrical potential at neutral point.

48. If the Charge of a particle is $2.7 \times 10^{-6}$ coulomb and is at a distance of 0.6 meter from a positve charge of $1.62 \times 10^{-6}$ coulomb . Then find the Electrostatic Force between them and locate the neutral point between the charges also find total electrical potential at neutral point.

49. If the Charge of a particle is $4.5 \times 10^{-6}$ coulomb and is at a distance of 1.2 meter from a positve charge of $5.4 \times 10^{-6}$ coulomb . Then find the Electrostatic Force between them and locate the neutral point between the charges also find total electrical potential at neutral point.

50. If three charges $Q_1 = 8.5 \times 10^{-5}$ Coulomb, $Q_2 = $ -4.5$\times 10^{-5}$ Coulomb and $Q_3 = 5 \times 10^{-5}$ Coulomb are placed at three points. As A ( 4,1) , B ( 11,10) and C ( 16,2) then Find Net electrostatic force on charge at C and net eletrostatic potential at the mid point of AB line.

51. If three charges $Q_1 = 2.4 \times 10^{-5}$ Coulomb, $Q_2 = $ -3.6$\times 10^{-5}$ Coulomb and $Q_3 = 3 \times 10^{-5}$ Coulomb are placed at three points. As A ( 7,7) , B ( 3,3) and C ( 2,1) then Find Net electrostatic force on charge at C and net eletrostatic potential at the mid point of AB line.

52. If Four charges $Q_1 = 4.2 \times 10^{-5}$ Coulomb, $Q_2 = $ -1.2$\times 10^{-5}$ Coulomb , $Q_3 = 3.9 \times 10^{-5}$ Coulomb $Q_4 = $ -5.7$\times 10^{-5}$ Coulomb are placed at three points. As A ( 2,9) , B ( 13,13) , C ( 1,14) and D (9,12) then Find Net electrostatic force on charge at D and Net electrostatic Potential at the mid point of AB.

53. If the Charge of a particle is $1.8 \times 10^{-6}$ coulomb and is at a distance of 0.4 meter from a positve charge of $7.200001 \times 10^{-7}$ coulomb . Then find the Electrostatic Force between them and locate the neutral point between the charges also find total electrical potential at neutral point.

54. If the Charge of a particle is $9.000001 \times 10^{-7}$ coulomb and is at a distance of 0.8 meter from a positve charge of $7.200001 \times 10^{-7}$ coulomb . Then find the Electrostatic Force between them and locate the neutral point between the charges also find total electrical potential at neutral point.

55. If the Charge of a particle is $3.6 \times 10^{-6}$ coulomb and is at a distance of 1.4 meter from a positve charge of $5.04 \times 10^{-6}$ coulomb . Then find the Electrostatic Force between them and locate the neutral point between the charges also find total electrical potential at neutral point.

56. If the Charge of a particle is $9.000001 \times 10^{-7}$ coulomb and is at a distance of 1.4 meter from a positve charge of $1.26 \times 10^{-6}$ coulomb . Then find the Electrostatic Force between them and locate the neutral point between the charges also find total electrical potential at neutral point.

57. If three charges $Q_1 = $ -2.2$\times 10^{-5}$ Coulomb, $Q_2 = 1.6 \times 10^{-5}$ Coulomb and $Q_3 = $ -1.8$\times 10^{-5}$ Coulomb are placed at three points. As A ( 2,2) , B ( 10,3) and C ( 12,5) then Find Net electrostatic force on charge at C and net

eletrostatic potential at the mid point of AB line.

58. If Four charges $Q_1 = 6 \times 10^{-6}$ Coulomb, $Q_2 = $ -1.5$\times 10^{-5}$ Coulomb , $Q_3 = 1.8 \times 10^{-5}$ Coulomb $Q_4 = $ -4.8$\times 10^{-5}$ Coulomb are placed at three points. As A ( 0,5) , B ( 7,4) , C ( 1,7) and D (4,22) then Find Net electrostatic force on charge at D and Net electrostatic Potential at the mid point of AB.

59. If Four charges $Q_1 = $ -4$\times 10^{-6}$ Coulomb, $Q_2 = 4 \times 10^{-6}$ Coulomb , $Q_3 = $ -3.1$\times 10^{-5}$ Coulomb $Q_4 = 2.7 \times 10^{-5}$ Coulomb are placed at three points. As A ( 8,7) , B ( 9,2) , C ( 4,18) and D (8,29) then Find Net electrostatic force on charge at D and Net electrostatic Potential at the mid point of AB.

60. If Four charges $Q_1 = $ -1.2$\times 10^{-5}$ Coulomb, $Q_2 = 8 \times 10^{-6}$ Coulomb , $Q_3 = $ -1.4$\times 10^{-5}$ Coulomb $Q_4 = 2.4 \times 10^{-5}$ Coulomb are placed at three points. As A ( 4,9) , B ( -2,5) , C ( 3,9) and D (3,16) then Find Net electrostatic force on charge at D and Net electrostatic Potential at the mid point of AB.

61. If Four charges $Q_1 = 2.7 \times 10^{-5}$ Coulomb, $Q_2 = $ -1.2$\times 10^{-5}$ Coulomb , $Q_3 = 2.7 \times 10^{-5}$ Coulomb $Q_4 = $ -2.1$\times 10^{-5}$ Coulomb are placed at three points. As A ( 0,3) , B ( -2,-2) , C ( 8,6) and D (6,6) then Find Net electrostatic force on charge at D and Net electrostatic Potential at the mid point of AB.

62. If Four charges $Q_1 = $ -9$\times 10^{-6}$ Coulomb, $Q_2 = 8 \times 10^{-6}$ Coulomb , $Q_3 = $ -2.2$\times 10^{-5}$ Coulomb $Q_4 = 2.7 \times 10^{-5}$ Coulomb are placed at three points. As A ( 7,2) , B ( 13,5) , C ( 7,5) and D (-1,28) then Find Net electrostatic force on charge at D and Net electrostatic Potential at the mid point of AB.

63. If Four charges $Q_1 = 0.000104$ Coulomb, $Q_2 = $ -7.2$\times 10^{-5}$ Coulomb , $Q_3 = 0.000176$ Coulomb $Q_4 = $ -8.8$\times 10^{-5}$ Coulomb are placed at three points. As A ( 8,4) , B ( 12,14) , C ( 10,14) and D (-4,22) then Find Net electrostatic force on charge at D and Net electrostatic Potential at the mid point of AB.

64. If three charges $Q_1 = $ -1.9$\times 10^{-5}$ Coulomb, $Q_2 = 4 \times 10^{-6}$ Coulomb and $Q_3 = $ -1.9$\times 10^{-5}$ Coulomb are placed at three points. As A ( 3,1) , B ( 13,13) and C ( 15,9) then Find Net electrostatic force on charge at C and net eletrostatic potential at the mid point of AB line.

65. If Four charges $Q_1 = 0.000119$ Coulomb, $Q_2 = $ -6.3$\times 10^{-5}$ Coulomb , $Q_3 = 0.000259$ Coulomb $Q_4 = $ -0.000161 Coulomb are placed at three points. As A ( 1,8) , B ( -2,-1) , C ( 0,8) and D (8,2) then Find Net electrostatic force on charge at D and Net electrostatic Potential at the mid point of AB.

66. If three charges $Q_1 = 0.000136$ Coulomb, $Q_2 = $ -5.6$\times 10^{-5}$ Coulomb and $Q_3 = 6.4 \times 10^{-5}$ Coulomb are placed at three points. As A ( 1,2) , B ( 2,1) and C ( 19,6) then Find Net electrostatic force on charge at C and net eletrostatic potential at the mid point of AB line.

67. If the Charge of a particle is $4.8 \times 10^{-6}$ coulomb and is at a distance of 1.2 meter from a positve charge of $5.76 \times 10^{-6}$ coulomb . Then find the Electrostatic Force between them and locate the neutral point between the charges also find total electrical potential at neutral point.

68. If three charges $Q_1 = 3.8 \times 10^{-5}$ Coulomb, $Q_2 = $ -1.8$\times 10^{-5}$ Coulomb and $Q_3 = 5.2 \times 10^{-5}$ Coulomb are placed at three points. As A ( 2,9) , B ( 6,1) and C ( 2,13) then Find Net electrostatic force on charge at C and net eletrostatic potential at the mid point of AB line.

69. If the Charge of a particle is $3 \times 10^{-6}$ coulomb and is at a distance of 0.6 meter from a positve charge of $1.8 \times 10^{-6}$ coulomb . Then find the Electrostatic Force between them and locate the neutral point between the charges also find total electrical potential at neutral point.

70. If three charges $Q_1 = 9 \times 10^{-5}$ Coulomb, $Q_2 = $ -3.5$\times 10^{-5}$ Coulomb and $Q_3 = 0.00013$ Coulomb are placed at three points. As A ( 4,3) , B ( 10,8) and C ( 9,4) then Find Net electrostatic force on charge at C and net eletrostatic potential at the mid point of AB line.

71. If Four charges $Q_1 = 2.1 \times 10^{-5}$ Coulomb, $Q_2 = $ -2.7$\times 10^{-5}$ Coulomb , $Q_3 = 0.000111$ Coulomb $Q_4 = $ -6.3$\times 10^{-5}$ Coulomb are placed at three points. As A ( 8,1) , B ( 14,14) , C ( 17,18) and D (1,18) then Find Net electrostatic force on charge at D and Net electrostatic Potential at the mid point of AB.

72. If three charges $Q_1 = 6.4 \times 10^{-5}$ Coulomb, $Q_2 = $ -2.4$\times 10^{-5}$ Coulomb and $Q_3 = 0.000108$ Coulomb are placed at three points. As A ( 5,3) , B ( 10,6) and C ( 15,5) then Find Net electrostatic force on charge at C and net

eletrostatic potential at the mid point of AB line.

73. If three charges $Q_1 = 3.6 \times 10^{-5}$ Coulomb, $Q_2 = -2.4 \times 10^{-5}$ Coulomb and $Q_3 = 5.2 \times 10^{-5}$ Coulomb are placed at three points. As A ( 2,7) , B ( 10,9) and C ( 7,16) then Find Net electrostatic force on charge at C and net eletrostatic potential at the mid point of AB line.

74. If three charges $Q_1 = 5.6 \times 10^{-5}$ Coulomb, $Q_2 = -6.3 \times 10^{-5}$ Coulomb and $Q_3 = 0.000133$ Coulomb are placed at three points. As A ( 3,4) , B ( 7,13) and C ( 10,13) then Find Net electrostatic force on charge at C and net eletrostatic potential at the mid point of AB line.

75. If the Charge of a particle is $8.4 \times 10^{-6}$ coulomb and is at a distance of 0.4 meter from a positve charge of $3.36 \times 10^{-6}$ coulomb . Then find the Electrostatic Force between them and locate the neutral point between the charges also find total electrical potential at neutral point.

76. If three charges $Q_1 = 3.3 \times 10^{-5}$ Coulomb, $Q_2 = -2.4 \times 10^{-5}$ Coulomb and $Q_3 = 8.7 \times 10^{-5}$ Coulomb are placed at three points. As A ( 1,4) , B ( 1,8) and C ( 9,1) then Find Net electrostatic force on charge at C and net eletrostatic potential at the mid point of AB line.

77. If three charges $Q_1 = 4.8 \times 10^{-5}$ Coulomb, $Q_2 = -2.4 \times 10^{-5}$ Coulomb and $Q_3 = 2.8 \times 10^{-5}$ Coulomb are placed at three points. As A ( 7,5) , B ( 4,4) and C ( 2,19) then Find Net electrostatic force on charge at C and net eletrostatic potential at the mid point of AB line.

78. If Four charges $Q_1 = 0.000108$ Coulomb, $Q_2 = -4.8 \times 10^{-5}$ Coulomb , $Q_3 = 7.8 \times 10^{-5}$ Coulomb $Q_4 = -8.4 \times 10^{-5}$ Coulomb are placed at three points. As A ( 9,2) , B ( 4,10) , C ( 14,0) and D (-2,18) then Find Net electrostatic force on charge at D and Net electrostatic Potential at the mid point of AB.

79. If Four charges $Q_1 = -1.6 \times 10^{-5}$ Coulomb, $Q_2 = 1 \times 10^{-5}$ Coulomb , $Q_3 = -6 \times 10^{-5}$ Coulomb $Q_4 = 3.6 \times 10^{-5}$ Coulomb are placed at three points. As A ( 9,6) , B ( 5,-1) , C ( 9,4) and D (2,26) then Find Net electrostatic force on charge at D and Net electrostatic Potential at the mid point of AB.

80. If the Charge of a particle is $-6 \times 10^{-7}$ coulomb and is at a distance of 0.6 meter from a positve charge of $-3.6 \times 10^{-7}$ coulomb . Then find the Electrostatic Force between them and locate the neutral point between the charges also find total electrical potential at neutral point.

81. If Four charges $Q_1 = 9 \times 10^{-6}$ Coulomb, $Q_2 = -6 \times 10^{-6}$ Coulomb , $Q_3 = 3.4 \times 10^{-5}$ Coulomb $Q_4 = -1.8 \times 10^{-5}$ Coulomb are placed at three points. As A ( 0,0) , B ( 10,10) , C ( 5,16) and D (3,0) then Find Net electrostatic force on charge at D and Net electrostatic Potential at the mid point of AB.

82. If Four charges $Q_1 = -1 \times 10^{-5}$ Coulomb, $Q_2 = 1.4 \times 10^{-5}$ Coulomb , $Q_3 = -2.6 \times 10^{-5}$ Coulomb $Q_4 = 3.8 \times 10^{-5}$ Coulomb are placed at three points. As A ( 4,5) , B ( 11,4) , C ( 0,3) and D (-4,22) then Find Net electrostatic force on charge at D and Net electrostatic Potential at the mid point of AB.

83. If the Charge of a particle is $-6 \times 10^{-7}$ coulomb and is at a distance of 0.6 meter from a positve charge of $-3.6 \times 10^{-7}$ coulomb . Then find the Electrostatic Force between them and locate the neutral point between the charges also find total electrical potential at neutral point.

84. If the Charge of a particle is $-6 \times 10^{-7}$ coulomb and is at a distance of 0.6 meter from a positve charge of $-3.6 \times 10^{-7}$ coulomb . Then find the Electrostatic Force between them and locate the neutral point between the charges also find total electrical potential at neutral point.

85. If three charges $Q_1 = -1.6 \times 10^{-5}$ Coulomb, $Q_2 = 1.6 \times 10^{-5}$ Coulomb and $Q_3 = -1 \times 10^{-5}$ Coulomb are placed at three points. As A ( 1,4) , B ( 3,9) and C ( 17,17) then Find Net electrostatic force on charge at C and net eletrostatic potential at the mid point of AB line.

86. If Four charges $Q_1 = 9.8 \times 10^{-5}$ Coulomb, $Q_2 = -4.2 \times 10^{-5}$ Coulomb , $Q_3 = 0.000238$ Coulomb $Q_4 = -0.000168$ Coulomb are placed at three points. As A ( 2,9) , B ( 13,1) , C ( 6,5) and D (5,-2) then Find Net electrostatic force on charge at D and Net electrostatic Potential at the mid point of AB.

87. If three charges $Q_1 = 0.000171$ Coulomb, $Q_2 = -4.5 \times 10^{-5}$ Coulomb and $Q_3 = 0.000135$ Coulomb are placed at three points. As A ( 4,8) , B ( 14,9) and C ( 8,11) then Find Net electrostatic force on charge at C and net

eletrostatic potential at the mid point of AB line.

88. If three charges $Q_1 = 7.2\times10^{-5}$ Coulomb, $Q_2$ = -5.6$\times10^{-5}$ Coulomb and $Q_3 = 7.2\times10^{-5}$ Coulomb are placed at three points. As A ( 6,2) , B ( 6,12) and C ( 12,13) then Find Net electrostatic force on charge at C and net eletrostatic potential at the mid point of AB line.

89. If Four charges $Q_1 = 1.8\times10^{-5}$ Coulomb, $Q_2$ = -5.4$\times10^{-5}$ Coulomb , $Q_3 = 0.000279$ Coulomb $Q_4$ = -0.000162 Coulomb are placed at three points. As A ( 3,0) , B ( 7,7) , C ( -1,-1) and D (1,25) then Find Net electrostatic force on charge at D and Net electrostatic Potential at the mid point of AB.

90. If three charges $Q_1 = 1.8\times10^{-5}$ Coulomb, $Q_2$ = -8$\times10^{-6}$ Coulomb and $Q_3 = 5.4\times10^{-5}$ Coulomb are placed at three points. As A ( 9,4) , B ( 10,6) and C ( 5,14) then Find Net electrostatic force on charge at C and net eletrostatic potential at the mid point of AB line.

91. If three charges $Q_1 = 5.5\times10^{-5}$ Coulomb, $Q_2$ = -2$\times10^{-5}$ Coulomb and $Q_3 = 9.5\times10^{-5}$ Coulomb are placed at three points. As A ( 3,1) , B ( 4,4) and C ( 16,2) then Find Net electrostatic force on charge at C and net eletrostatic potential at the mid point of AB line.

92. If three charges $Q_1 = 3.9\times10^{-5}$ Coulomb, $Q_2$ = -2.4$\times10^{-5}$ Coulomb and $Q_3 = 4.2\times10^{-5}$ Coulomb are placed at three points. As A ( 1,4) , B ( 6,1) and C ( 2,3) then Find Net electrostatic force on charge at C and net eletrostatic potential at the mid point of AB line.

93. If Four charges $Q_1 = 1.8\times10^{-5}$ Coulomb, $Q_2$ = -2.7$\times10^{-5}$ Coulomb , $Q_3 = 2.7\times10^{-5}$ Coulomb $Q_4$ = -4.5$\times10^{-5}$ Coulomb are placed at three points. As A ( 7,1) , B ( 2,-1) , C ( 14,10) and D (9,10) then Find Net electrostatic force on charge at D and Net electrostatic Potential at the mid point of AB.

94. If three charges $Q_1 = 0.000108$ Coulomb, $Q_2$ = -4.2$\times10^{-5}$ Coulomb and $Q_3 = 3.6\times10^{-5}$ Coulomb are placed at three points. As A ( 7,3) , B ( 1,1) and C ( 12,10) then Find Net electrostatic force on charge at C and net eletrostatic potential at the mid point of AB line.

95. If the Charge of a particle is $5.4\times10^{-6}$ coulomb and is at a distance of 1.4 meter from a positve charge of $7.56\times10^{-6}$ coulomb . Then find the Electrostatic Force between them and locate the neutral point between the charges also find total electrical potential at neutral point.

96. If three charges $Q_1 = 0.000102$ Coulomb, $Q_2$ = -3$\times10^{-5}$ Coulomb and $Q_3 = 1.8\times10^{-5}$ Coulomb are placed at three points. As A ( 5,7) , B ( 8,3) and C ( 15,1) then Find Net electrostatic force on charge at C and net eletrostatic potential at the mid point of AB line.

97. If Four charges $Q_1 = 1.2\times10^{-5}$ Coulomb, $Q_2$ = -3.2$\times10^{-5}$ Coulomb , $Q_3 = 1.2\times10^{-5}$ Coulomb $Q_4$ = -6.8$\times10^{-5}$ Coulomb are placed at three points. As A ( 1,9) , B ( -2,14) , C ( -2,11) and D (-2,4) then Find Net electrostatic force on charge at D and Net electrostatic Potential at the mid point of AB.

98. If the Charge of a particle is $6\times10^{-6}$ coulomb and is at a distance of 0.6 meter from a positve charge of $3.6\times10^{-6}$ coulomb . Then find the Electrostatic Force between them and locate the neutral point between the charges also find total electrical potential at neutral point.

99. If Four charges $Q_1 = 9.5\times10^{-5}$ Coulomb, $Q_2$ = -2$\times10^{-5}$ Coulomb , $Q_3 = 4.5\times10^{-5}$ Coulomb $Q_4$ = -8.5$\times10^{-5}$ Coulomb are placed at three points. As A ( 9,0) , B ( 10,12) , C ( 0,10) and D (1,5) then Find Net electrostatic force on charge at D and Net electrostatic Potential at the mid point of AB.

100. If three charges $Q_1$ = -8$\times10^{-6}$ Coulomb, $Q_2 = 1.8\times10^{-5}$ Coulomb and $Q_3$ = -4$\times10^{-5}$ Coulomb are placed at three points. As A ( 3,1) , B ( 12,13) and C ( 18,9) then Find Net electrostatic force on charge at C and net eletrostatic potential at the mid point of AB line.