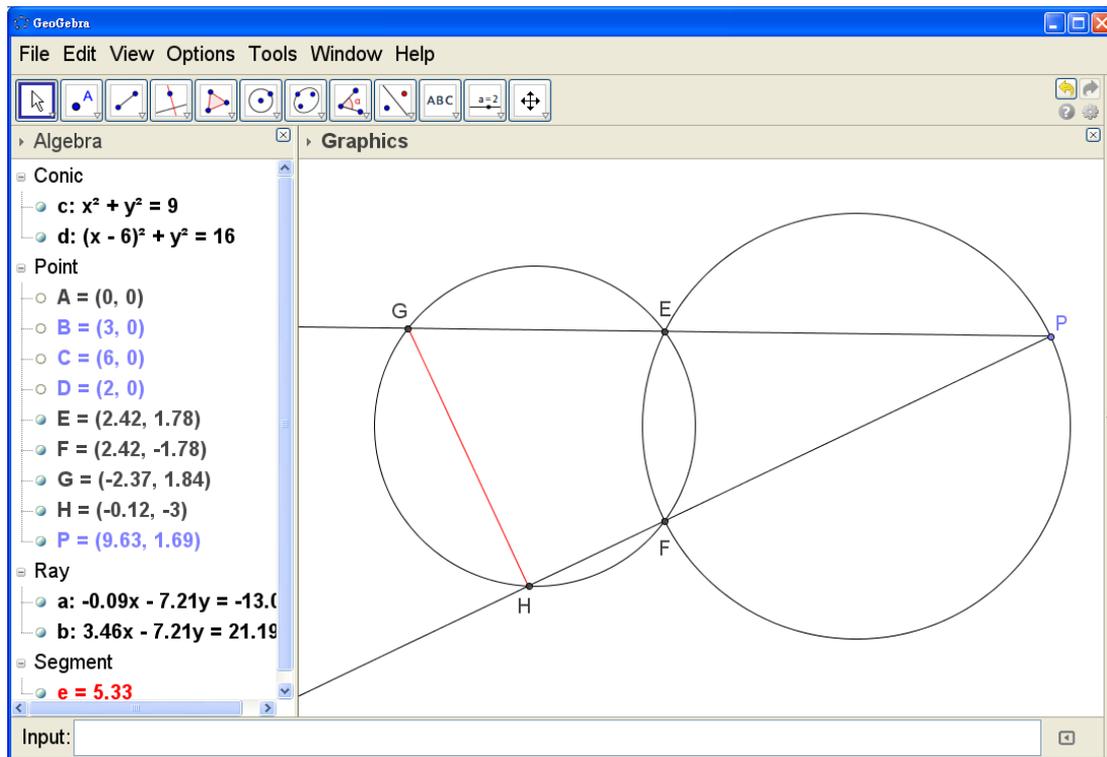


GeoGebra Tutorial: Problem of Two Circles



1. Select the circle tool . Click (0,0) then (3,0). A circle centered at (0,0) with radius 3 is created. Hide the center A and the point on circumference B.
2. Select the circle tool . Click (6,0) then (2,0). A circle centered at (7,0) with radius 4 is created. Hide the center C and the point on circumference D.
3. Select the point tool . Mark the intersection points of the two circles as E and F.
4. Hide the axes and grid.
5. Select the point tool . Create a point on the right circle. Rename it as P.
6. Select the ray tool . Construct two rays passing through P and E, P and F.
7. Select the point tool . The two rays intersect the right circles at the other two points. Mark them as G and H.
8. Select the segment tool . Construct the segment joining G and H. Set the color red.
9. Move P along the left circle. What do you notice? Explain your answer.

Reference: <http://www.ies-math.com/math/java/geo/enchord/enchord.html>