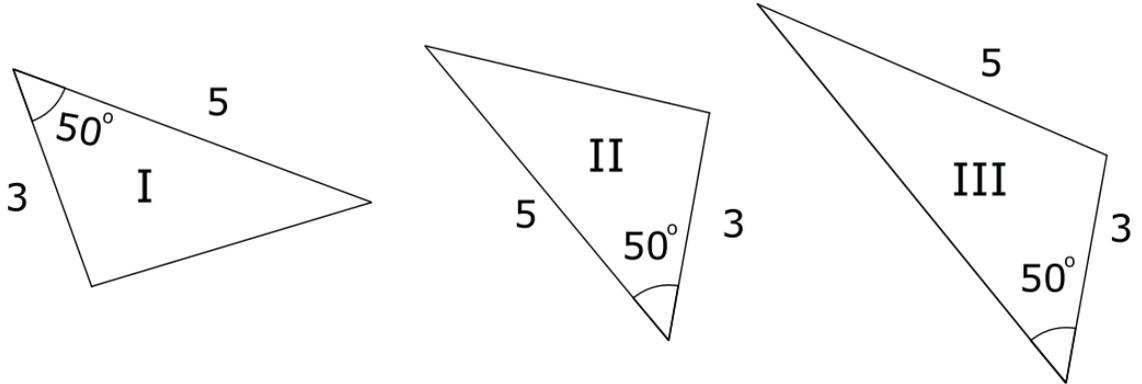
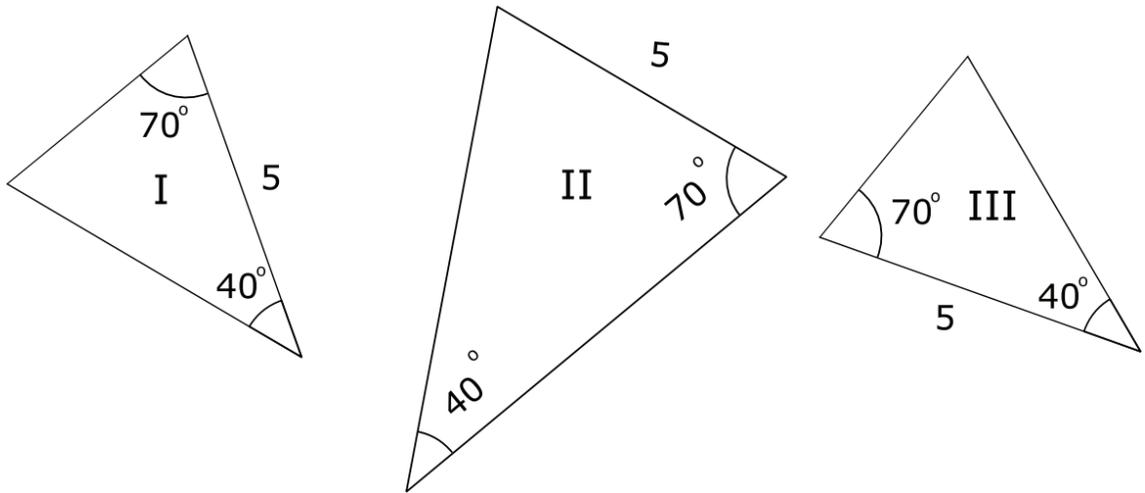


EXERCÍCIOS SOBRE CONGRUÊNCIA DE TRIÂNGULOS

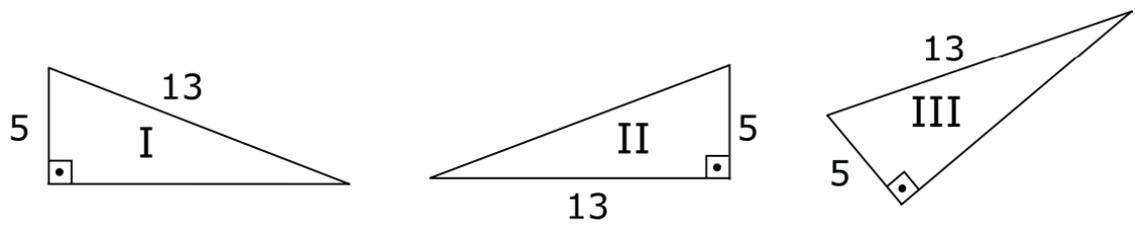
1. Em cada grupo de triângulos, verificar os congruentes e indicar o caso de congruência.



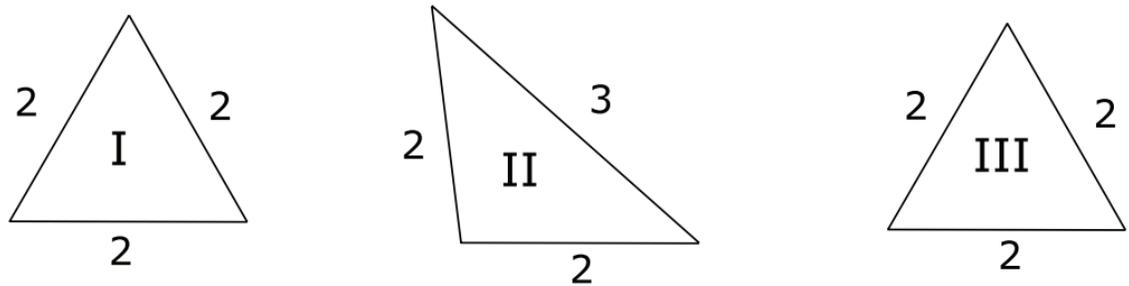
a)



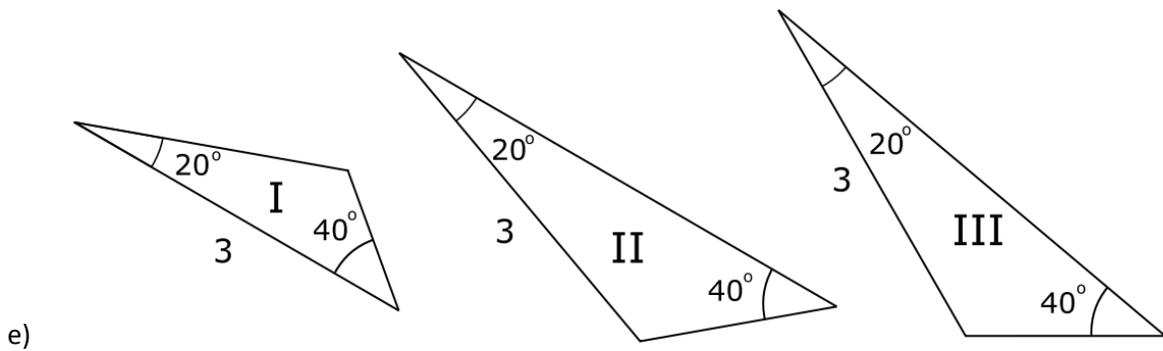
b)



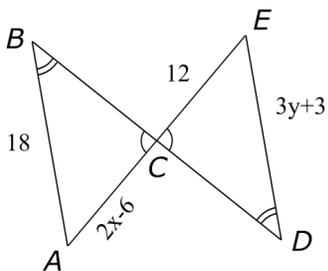
c)



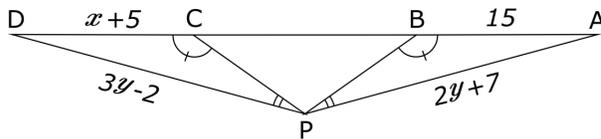
d)



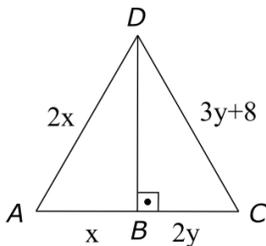
2. Na figura, o triângulo ABC é congruente ao triângulo CDE. Determine o valor de x e y.



3. Na figura, o triângulo PCD é congruente ao triângulo PBA. Determine os valores de x, y e a razão entre os perímetros dos triângulos PCA e PBD.



4. Na figura, o triângulo ABD é congruente ao triângulo CBD. Calcular x e y.



GABARITO

1 -

- a) $\Delta I \equiv \Delta II$ pelo caso LAL.
- b) $\Delta I \equiv \Delta III$ pelo caso ALA.
- c) $\Delta I \equiv \Delta III$ pelo caso especial.
- d) $\Delta I \equiv \Delta III$ pelo caso LLL.
- e) $\Delta II \equiv \Delta III$ pelo caso LAAo.

2 - $x = 9$ e $y = 5$.

3 - $x = 10$, $y = 9$ e a razão entre os perímetros dos triângulos PCA e PBD é 1.

4 - $x = 16$ e $y = 8$.