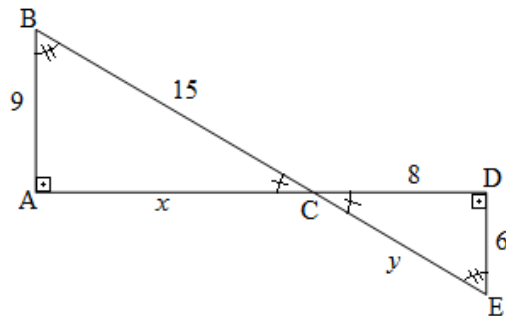


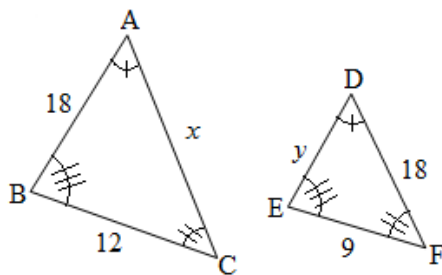
LISTA DE EXERCÍCIOS - SEMELHANÇA DE TRIÂNGULOS

1. Sabemos que os triângulos abaixo são semelhantes, nessas condições calcule os valores de x e y :

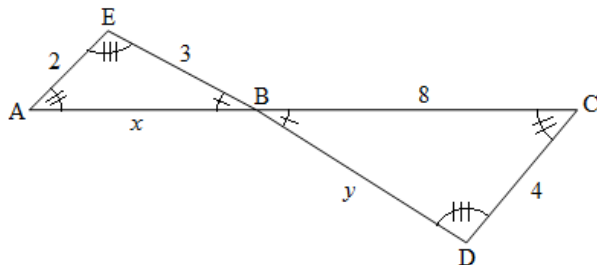


2. As figuras abaixo nos mostram pares de triângulos semelhantes, dessa forma calcule os valores de x e y :

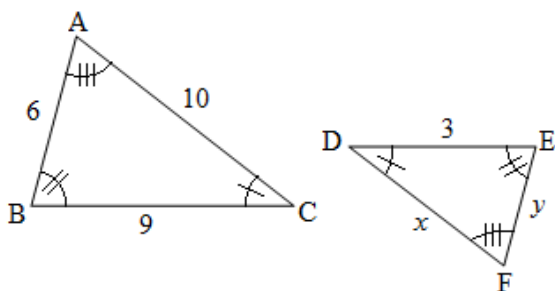
a)



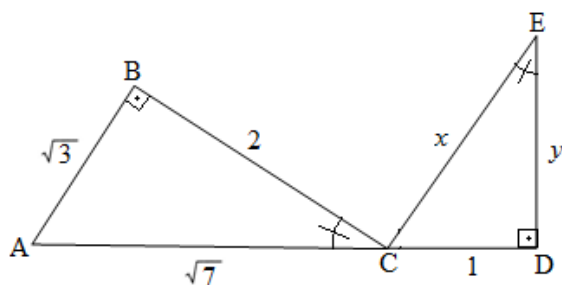
b)



c)

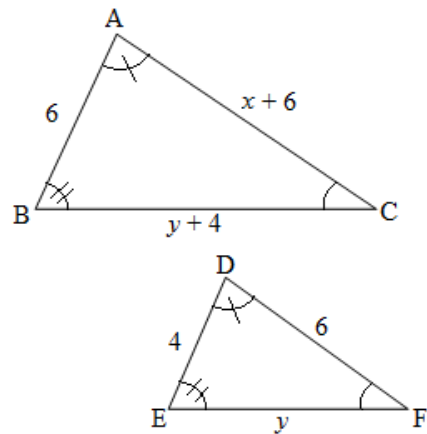


d)

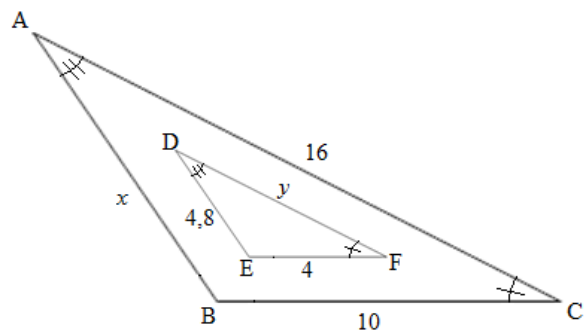


3. Nas figuras abaixo determine os valores de x e y :

a)

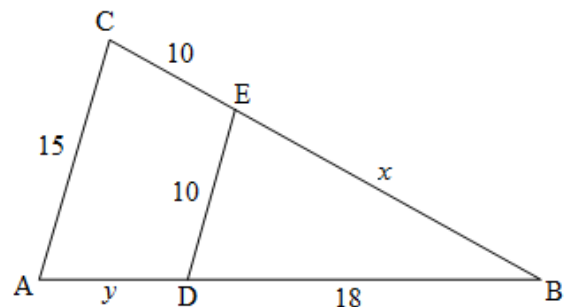


b)

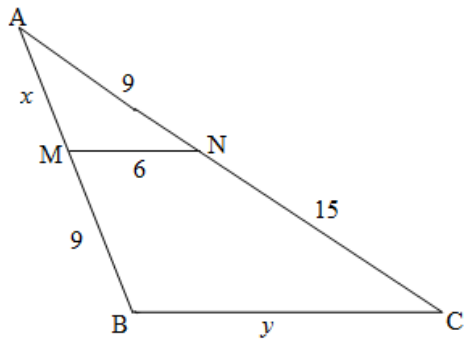


4. Nas figuras, abaixo, determine as medidas x e y :

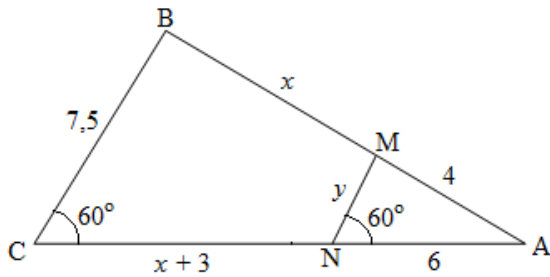
a)



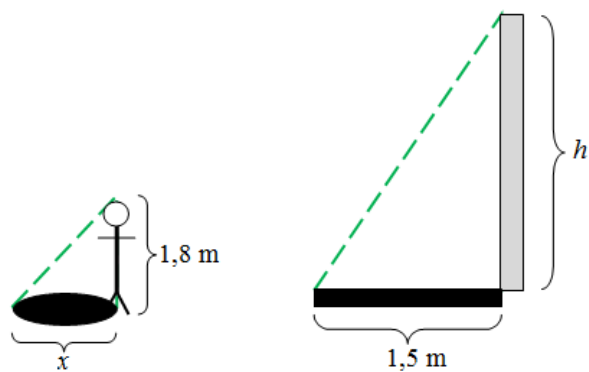
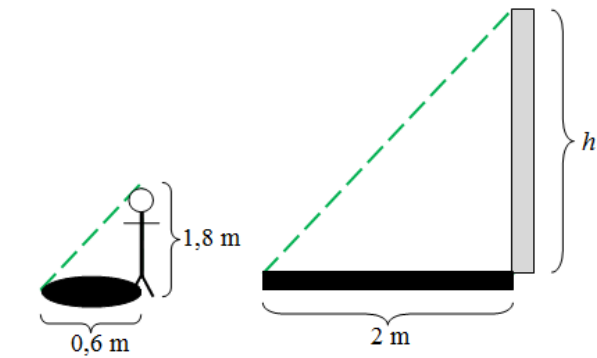
b)



c)

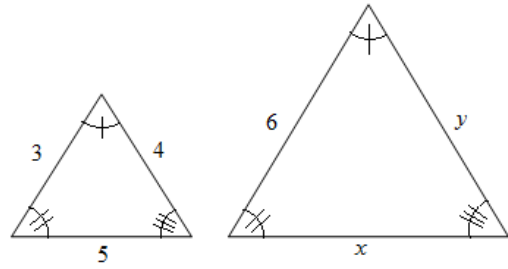


5. A sombra de uma pessoa que tem 1,80 m de altura mede 60 cm. No momento, a seu lado, a sombra projetada de um poste mede 2 m. Se, mais tarde, a sombra do poste diminui 50 cm, calcule a medida da sombra da pessoa no segundo instante:

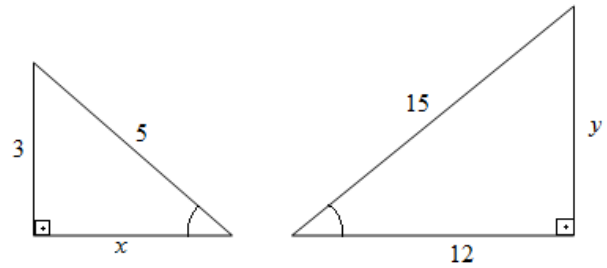


6. Utilize as condições de semelhança de triângulos para encontrar os valores de x e y :

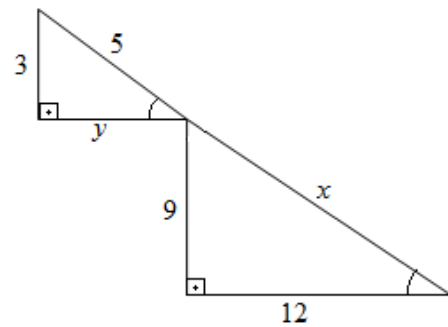
a)



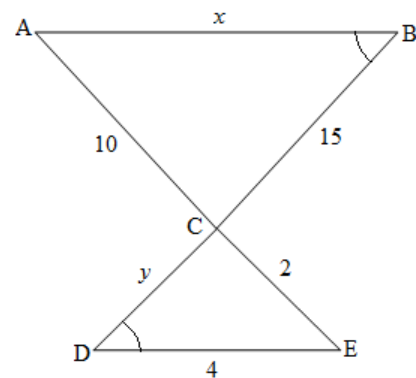
b)



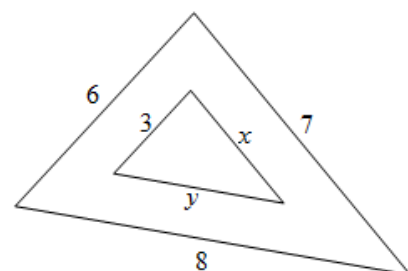
c)



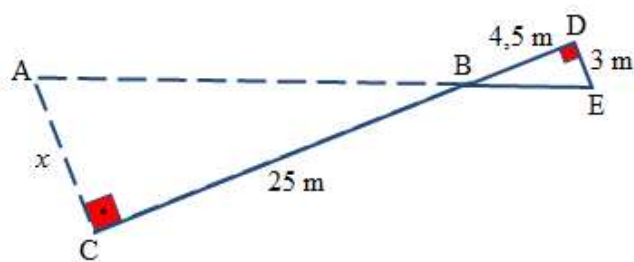
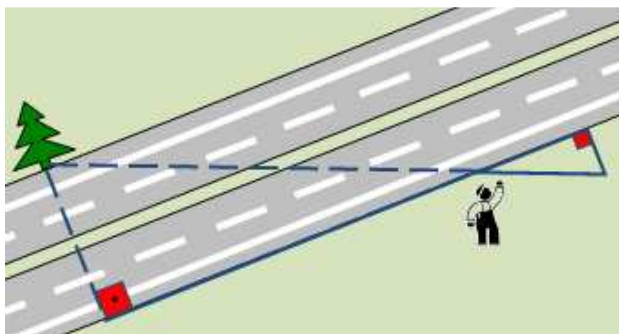
d)



e)

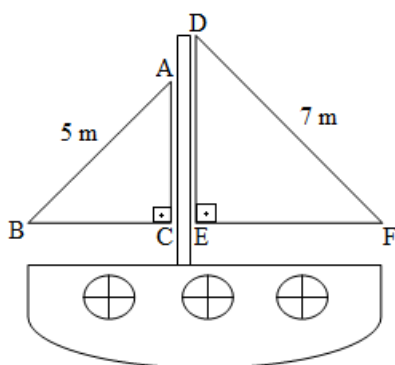


7. O Zé Manuel quis saber a largura da estrada. Para isso utilizou o seguinte esquema:



Encontre a largura da estrada.

8. Dados os triângulos temos que BC mede 4m, calcule EF.



9. Observe a figura e determine a altura da seta maior sabendo que a menor mede 1,5 m.

