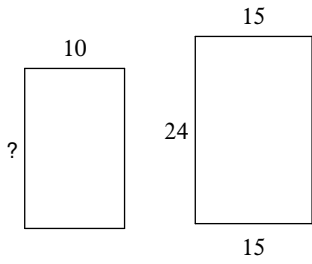


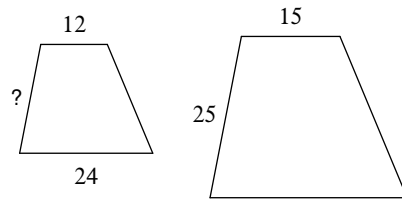
Using Similar Polygons

The polygons in each pair are similar. Find the missing side length.

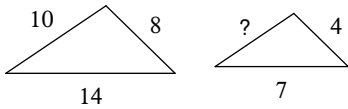
1)



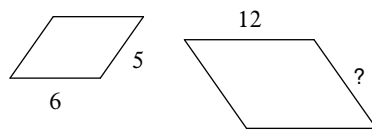
2)



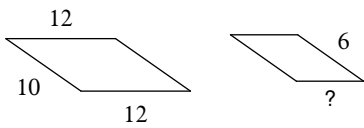
3)



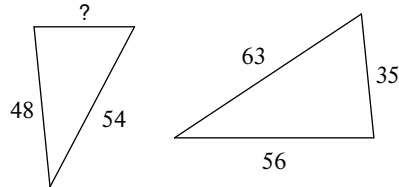
4)



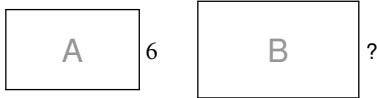
5)



6)

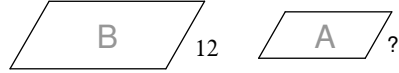


7)



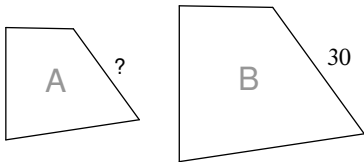
scale factor from A to B = 2 : 7

8)



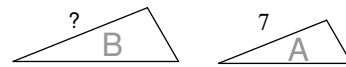
scale factor from A to B = 2 : 3

9)



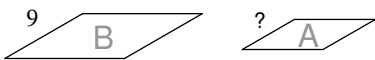
scale factor from A to B = 5 : 6

10)



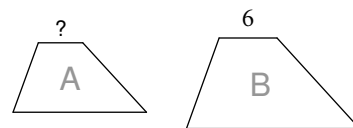
scale factor from A to B = 1 : 7

11)

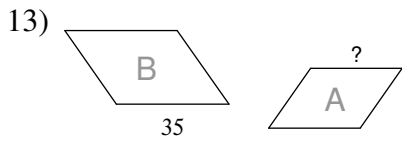


scale factor from A to B = 2 : 3

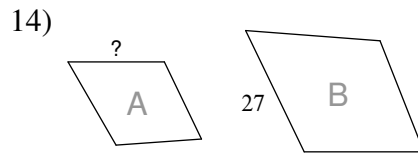
12)



scale factor from A to B = 1 : 2

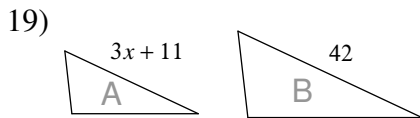
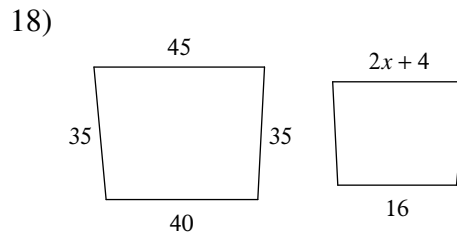
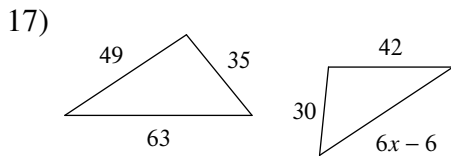
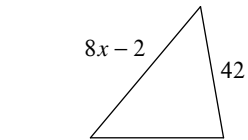
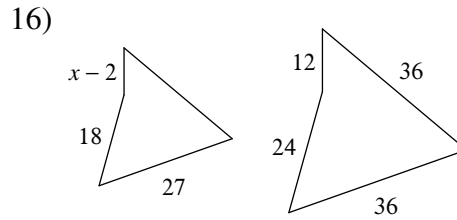
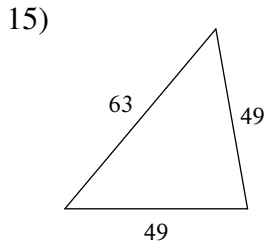


scale factor from A to B = 6 : 7

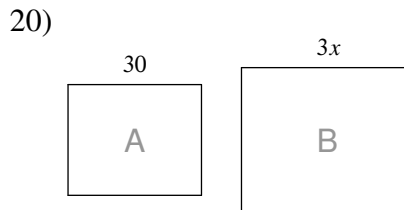


scale factor from A to B = 1 : 3

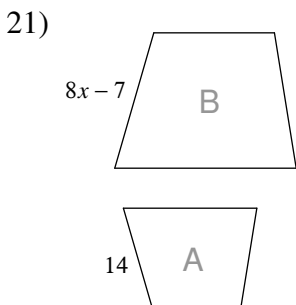
**Solve for  $x$ . The polygons in each pair are similar.**



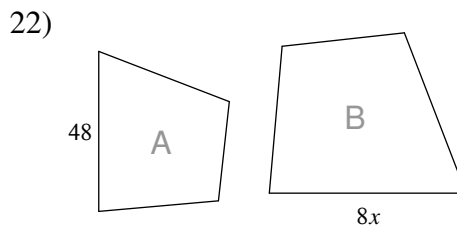
scale factor from A to B = 5 : 6



scale factor from A to B = 5 : 6



scale factor from A to B = 2 : 7



scale factor from A to B = 6 : 7