

Similar figures/Solving proportions

Solve each proportion.

1) $\frac{10}{4} = \frac{x-10}{5}$

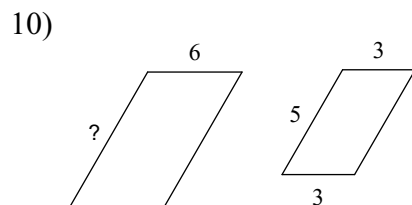
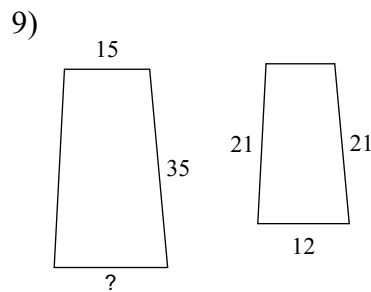
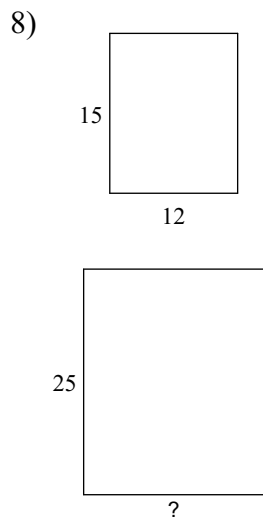
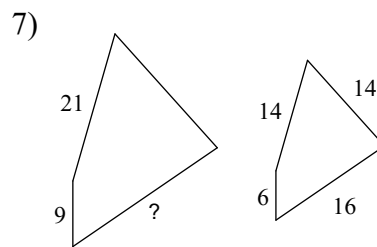
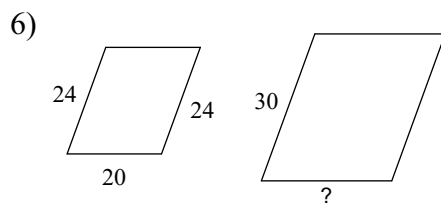
2) $\frac{k+6}{2} = \frac{9}{6}$

3) $\frac{x-6}{2} = \frac{8}{6}$

4) $\frac{v+10}{5} = \frac{3}{4}$

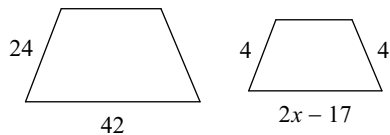
5) $\frac{5}{10} = \frac{8}{r-4}$

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

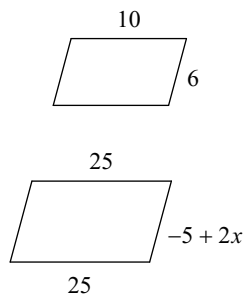


Solve for x . The polygons in each pair are similar.

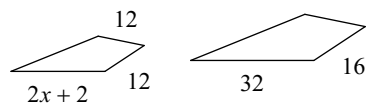
11)



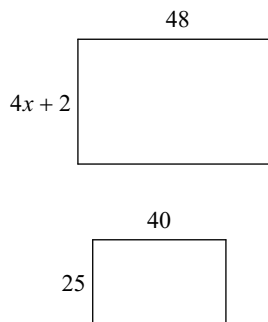
12)



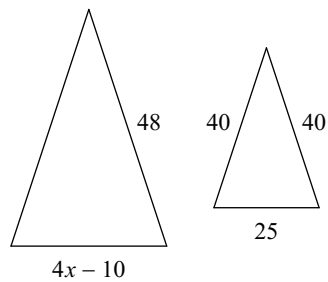
13)



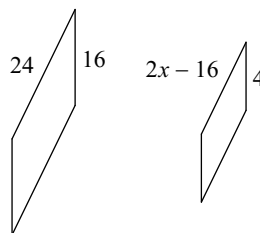
14)



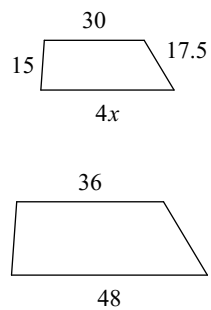
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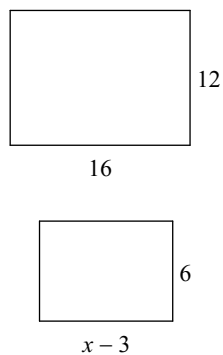
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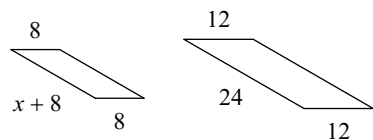
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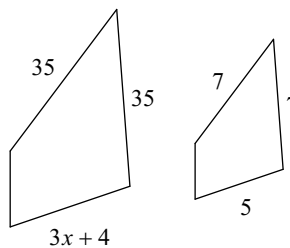
18)



19)



20)



Answers to Similar figures/Solving proportions (ID: 1)

1) $\left\{\frac{45}{2}\right\}$

5) $\{20\}$

9) 20

13) 11

17) 10

2) $\{-3\}$

6) 25

10) 10

14) 7

18) 11

3) $\left\{\frac{26}{3}\right\}$

7) 24

11) 12

15) 10

19) 8

4) $\left\{-\frac{25}{4}\right\}$

8) 20

12) 10

16) 11

20) 7