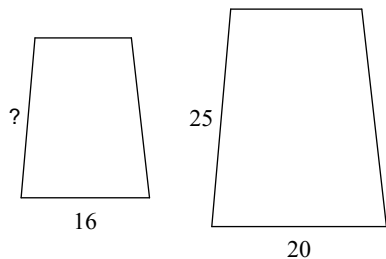


2-8 Similar Figures

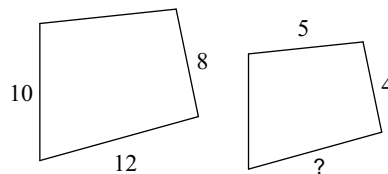
Date _____ Period _____

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

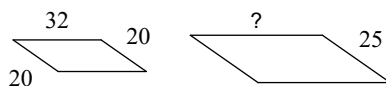
1)



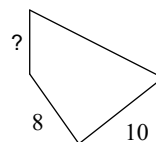
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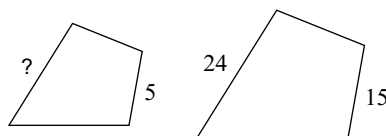
3)



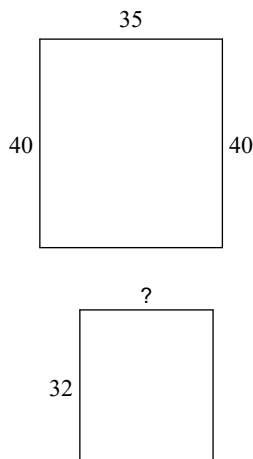
4)



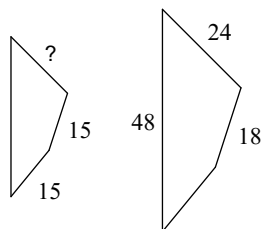
5)



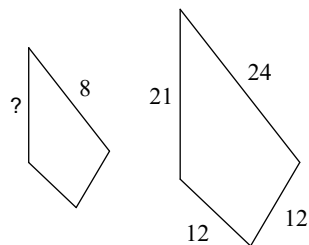
6)



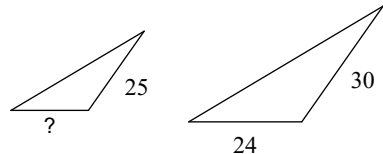
7)



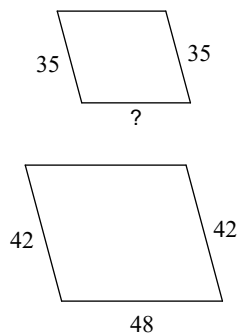
8)



9)



10)



Solve each proportion.

$$11) \frac{3}{5} = \frac{4}{n-2}$$

$$12) \frac{2}{3} = \frac{5}{a-4}$$

$$13) \frac{x+1}{7} = \frac{8}{9}$$

$$14) \frac{8}{3} = \frac{5}{m-6}$$

$$15) \frac{x+6}{x-3} = \frac{7}{2}$$

$$16) \frac{8}{2} = \frac{r+6}{r-4}$$

$$17) \frac{p-7}{3} = \frac{p+9}{7}$$

$$18) \frac{n+3}{n-5} = \frac{2}{8}$$