

Ch 7 Test Review

Solve each proportion.

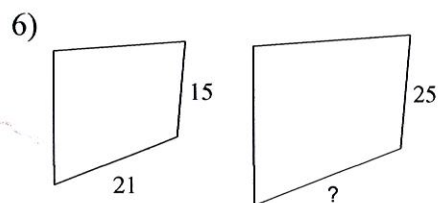
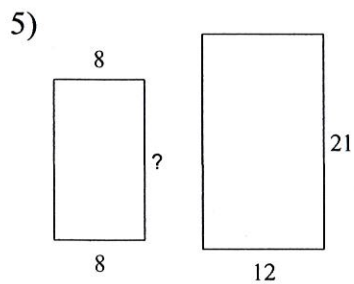
1) $\frac{8}{4} = \frac{3}{x}$

2) $\frac{3}{9} = \frac{7}{n}$

3) $\frac{3}{8} = \frac{x+6}{4}$

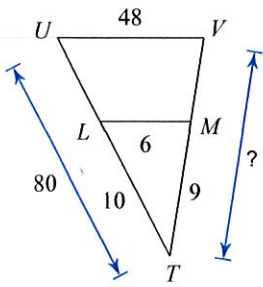
4) $\frac{8}{n+2} = \frac{3}{8}$

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



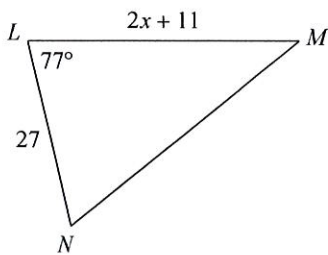
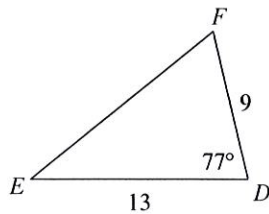
Find the missing length. The triangles in this pair are similar.

7)



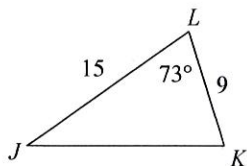
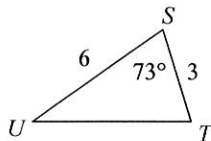
Solve for x . The triangles in each pair are similar. $\triangle FDE \sim \triangle NLM$

8)



State if the triangles in this pair are similar. If so, state how you know they are similar and complete the similarity statement.

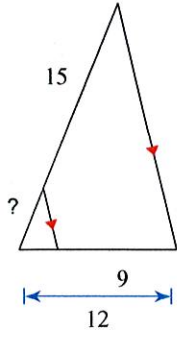
9)



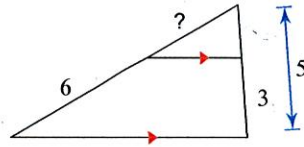
$\triangle LKJ \sim$ _____

Find the missing length indicated.

10)

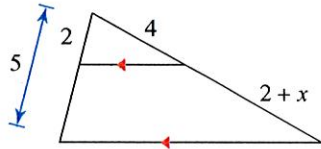


11)

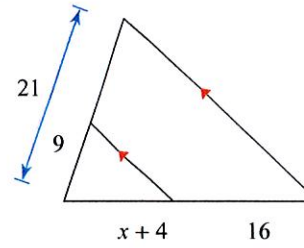


Solve for x .

12)



13)



More practice solve proportions.

$$14) \frac{x}{5} = \frac{6}{10}$$

$$15) \frac{n}{9} = \frac{5}{3}$$

$$16) \frac{8}{10} = \frac{a}{4}$$

$$17) \frac{4}{5} = \frac{9}{v}$$

$$18) \frac{5}{x+4} = \frac{3}{8}$$

$$19) \frac{2}{a-8} = \frac{10}{3}$$

$$20) \frac{10}{3} = \frac{n+8}{n-9}$$

$$21) \frac{n-5}{n+2} = \frac{9}{5}$$