

Chapter 6 Review Worksheet 2

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Solve each proportion.

1) $\frac{7}{2} = \frac{r}{8}$

- A) {28} B) {5.4}
 C) {8.53} D) {7.4}

2) $\frac{5}{8} = \frac{k-4}{k+5}$

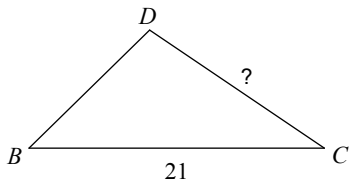
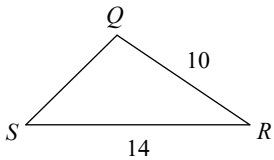
- A) {-4.2} B) {-10}
 C) {9.5} D) {19}

3) You take 350 U.S. dollars to the bank to exchange for Pudaloff geodollars. The exchange rate is .75 Pudaloffs per U.S. dollar. How many geodollars did you get?

- A) 466.75 B) 262.50
 C) 350 D) Uh, enough I guess

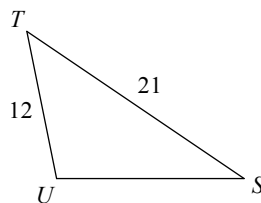
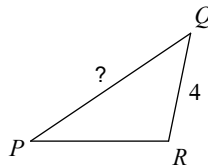
Find the missing length. The triangles in each pair are similar.

4)



- A) 16 B) 11
 C) 15 D) 19

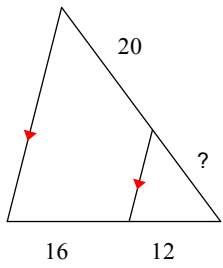
5)



- A) 9 B) 10
 C) 8 D) 7

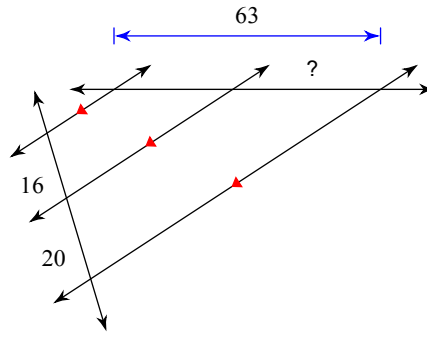
Find the missing length indicated.

6)



- A) 10 B) 15
C) 40 D) 9

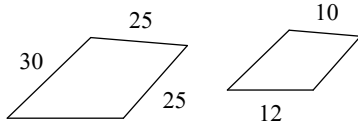
7)



- A) 35 B) 8
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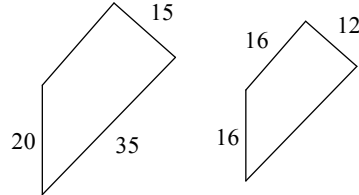
The polygons in each pair are similar. Find the scale factor of the smaller figure to the larger figure.

8)



- A) 2 : 5 B) 3 : 5
C) 2 : 3 D) 6 : 7

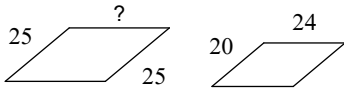
9)



- A) 3 : 5 B) 2 : 9
C) 4 : 5 D) 5 : 9

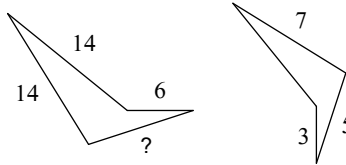
The polygons in each pair are similar. Find the missing side length.

10)



- A) 30 B) 54
C) 31 D) 17

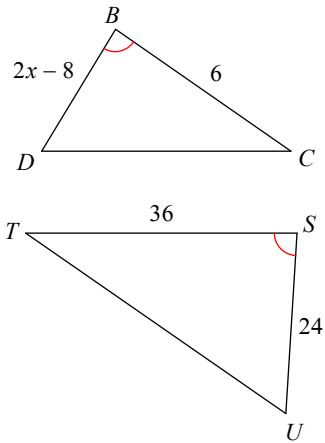
11)



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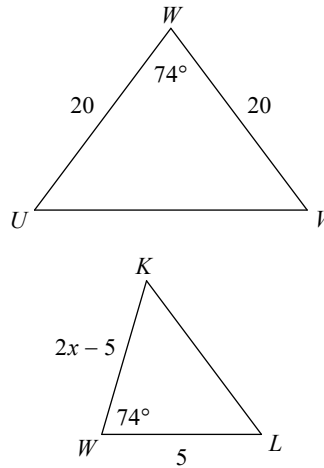
Solve for x . The triangles in each pair are similar.

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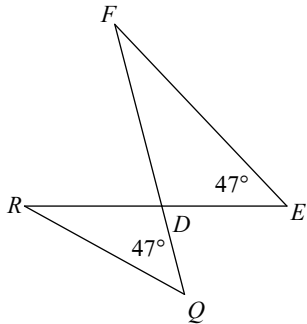
13)



- A) 5 B) 2
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State if the triangles in each pair are similar. If so, state how you know they are similar and complete the similarity statement.

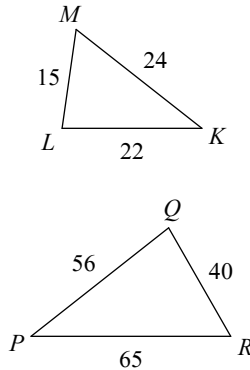
14)



$\triangle DEF \sim$ _____

- A) similar; SSS similarity; $\triangle DQR$
B) similar; AA similarity; $\triangle DQR$
C) similar; SAS similarity; $\triangle RQD$
D) not similar

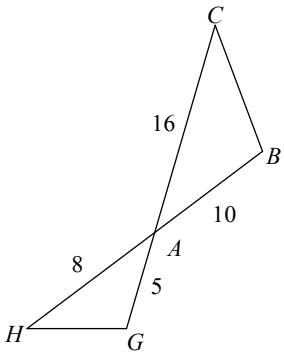
15)



$\triangle PQR \sim$ _____

- A) similar; AA similarity; $\triangle LKM$
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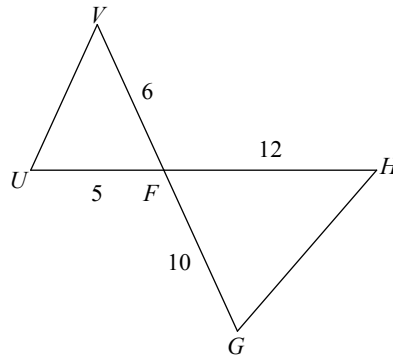
16)



$\triangle ABC \sim$ _____

- A) similar; SSS similarity; $\triangle AGH$
- B) not similar
- C) similar; SSS similarity; $\triangle HAG$
- D) similar; SAS similarity; $\triangle AGH$

17)

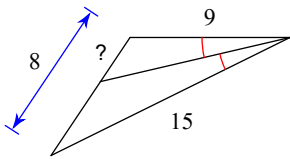


$\triangle FGH \sim$ _____

- A) similar; SSS similarity; $\triangle VFU$
- B) similar; SAS similarity; $\triangle FUV$
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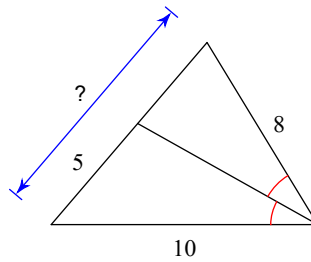
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- B) 20
- C) 33
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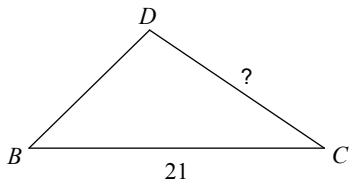
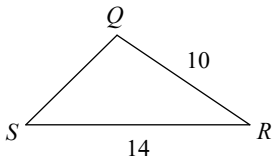
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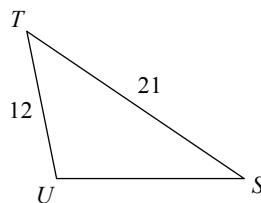
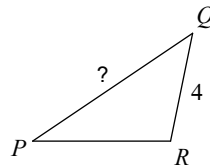
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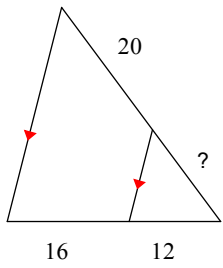
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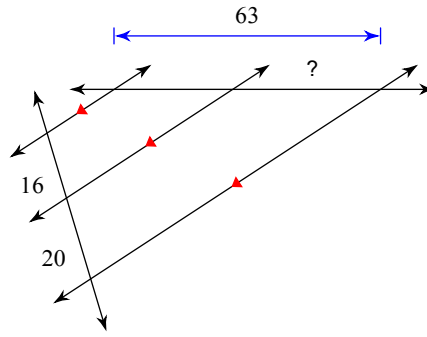
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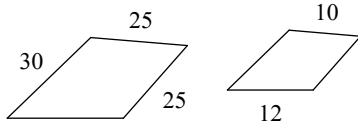
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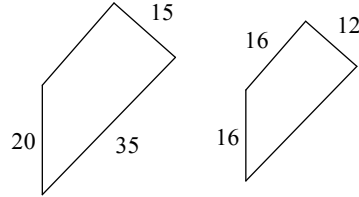
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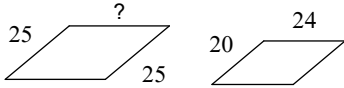
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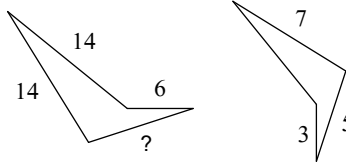
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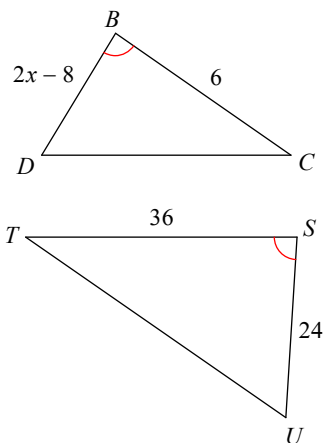
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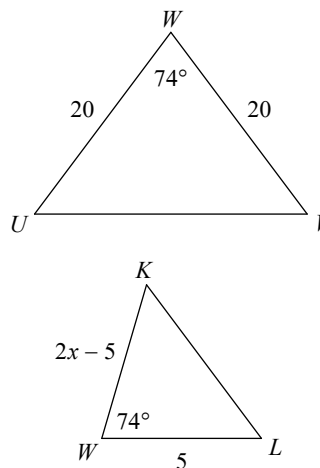
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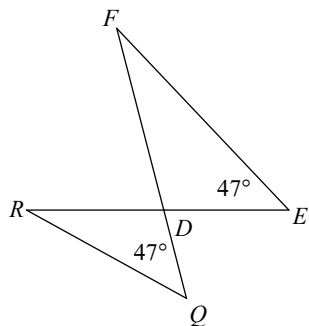
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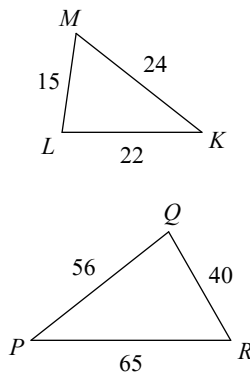
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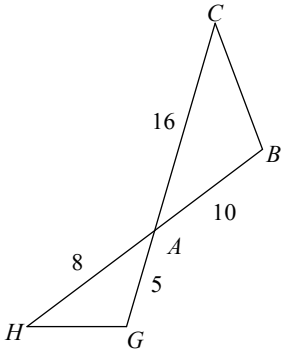
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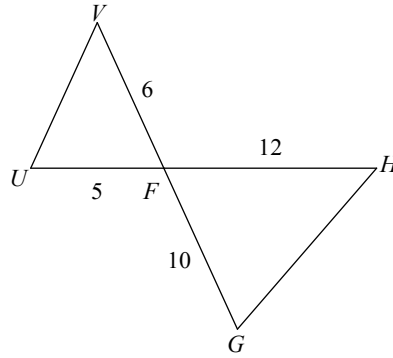
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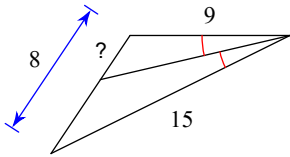


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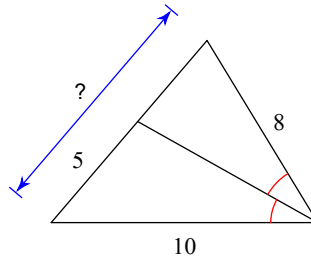
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