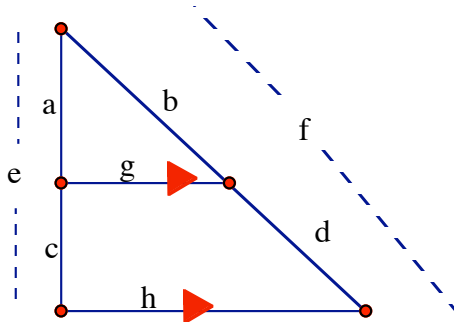


Chapter 5: Similarity
Lesson 5-4: Proportional Parts
Classwork

Name _____
 Date _____
 Period ____

State whether each proportion is correct.



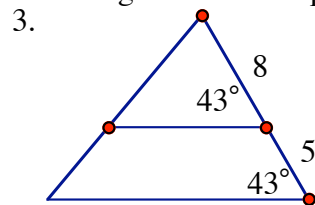
1. $\frac{g}{h} = \frac{a}{e}$

Ans _____

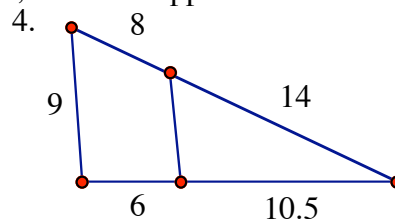
2. $\frac{d}{f} = \frac{a}{e}$

Ans _____

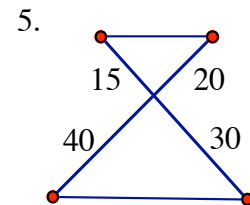
For questions 3 -8, write the method (*AA ~*, *SAS ~*, *SSS ~*) that can be used to prove similarity. If the triangles cannot be proved similar, write not applicable.



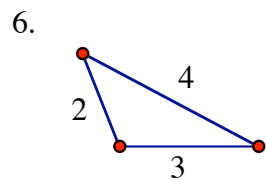
Ans _____



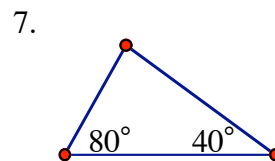
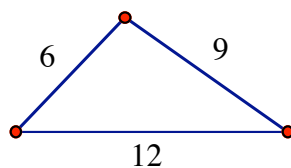
Ans _____



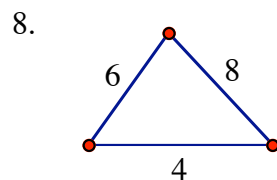
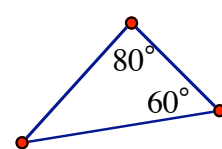
Ans _____



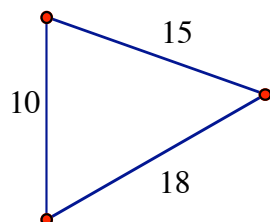
Ans _____



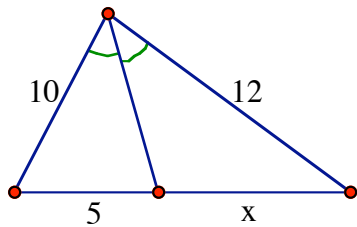
Ans _____



Ans _____

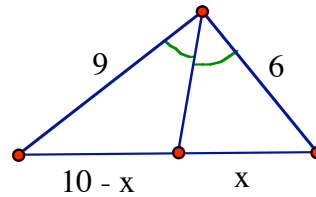


Find the value of x .
9.



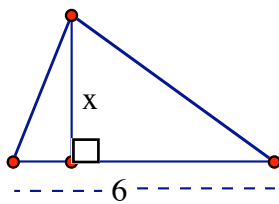
$x = \underline{\hspace{2cm}}$

10.

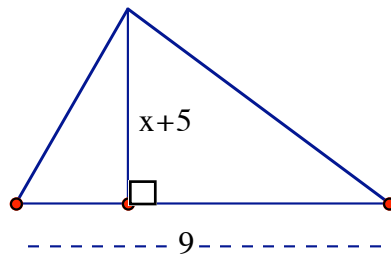


$x = \underline{\hspace{2cm}}$

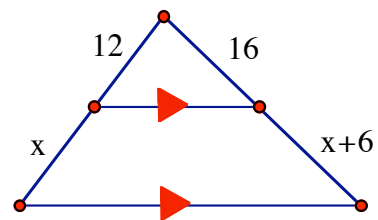
11.



$x = \underline{\hspace{2cm}}$

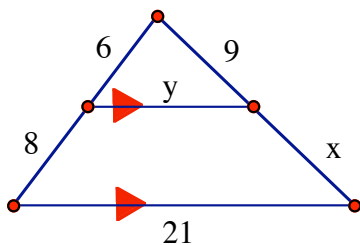


12.



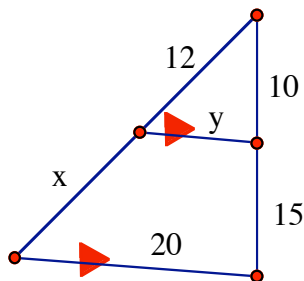
$x = \underline{\hspace{2cm}}$

Find x and y .
13.



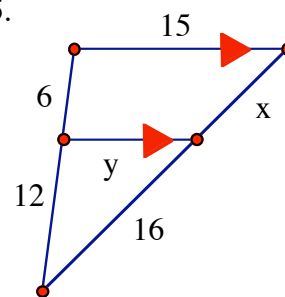
$x = \underline{\hspace{2cm}}$
 $y = \underline{\hspace{2cm}}$

14.



$x = \underline{\hspace{2cm}}$
 $y = \underline{\hspace{2cm}}$

15.



$x = \underline{\hspace{2cm}}$
 $y = \underline{\hspace{2cm}}$