

**8.2 – 8.3 DAY ONE CYU**

Use when you get it right all by yourself

**S** Use when you did it all by yourself, but made a silly mistake

**H** Use when you could do it alone with a little help from teacher or peer

**G** Use when you completed the problem in a group

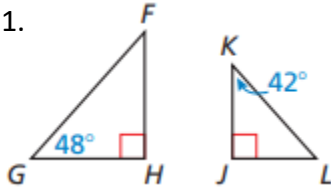
**X** Use when a question was attempted but wrong (get help)

**N** Use when a question was not even attempted

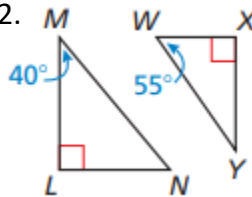
CONCEPTS	BASIC	INTERMEDIATE	ADVANCED
Determining if triangles are similar	1, 2, 14	3, 11, 15	3
Writing similarity statement	1, 2, 14	3, 10, 15	3
Determining which postulate	1, 2	3	3
Prove that triangles are similar	4	5	6
Using diagrams to solve for x	12	7, 8	9, 13
Finding scale factor of $\sim$ triangles	14	15	

Determine whether the triangles are similar. If they are, write a similarity statement. Explain your reasoning.

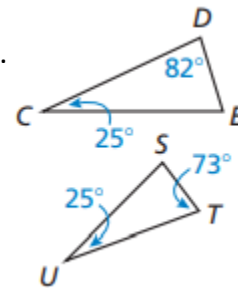
1.



2.

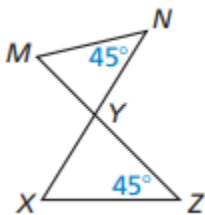


3.

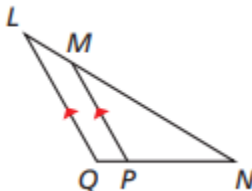


Show that the two triangles are similar.

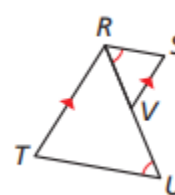
4.



5.



6.



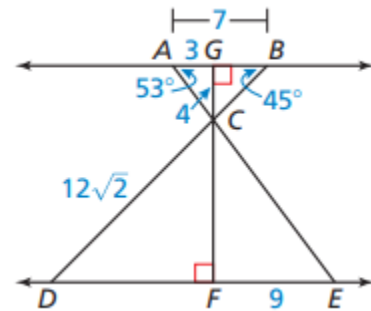
Use the diagram provided to complete the statement.

7.  $m\angle ECD =$

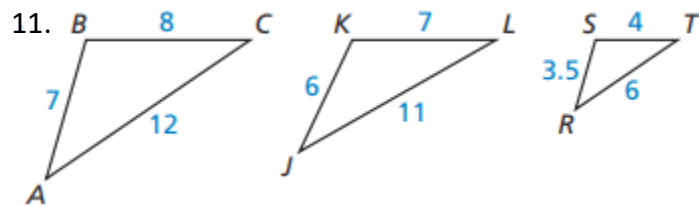
8.  $CF =$

9.  $DE =$

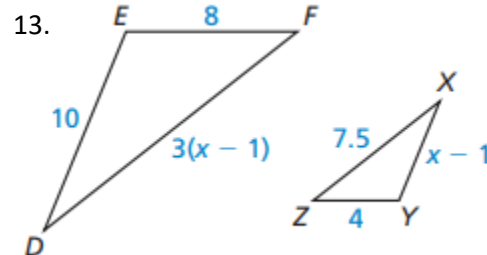
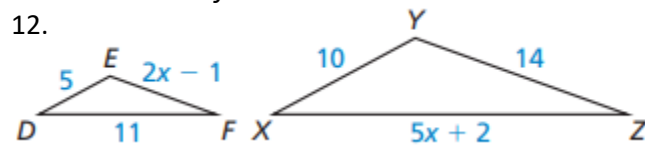
10.  $\triangle CAG \sim \triangle$



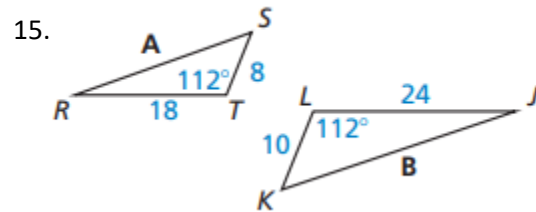
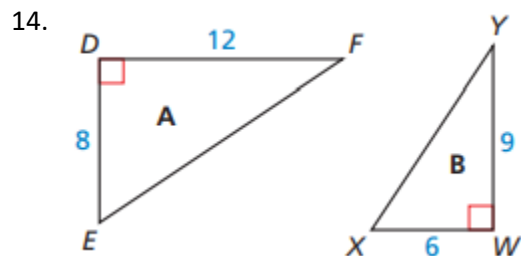
Determine whether  $\triangle JKL$  or  $\triangle RST$  is similar to  $\triangle ABC$ .



Find the value of  $x$  that makes  $\triangle DEF \sim \triangle XYZ$ .



Determine whether the two triangles are similar. If they are similar, write a similarity statement and find the scale factor of triangle B to triangle A.



**CYU Reflection:** How far can you go: basic, intermediate, or advanced?

**Rate your mastery level!**

How confident are you with the skills this CYU covered? Circle the

1  
  2  
  3  
  4  
  5  
  6  
  7  
  8

Basic                      Intermediate                      Advanced                      Solved ALL!

