Ready, Set, Go!

Ready

Topic: Corresponding parts of figures and transformations

Given the figures in each sketch with congruent angles and sides marked, first list the parts of the figures that correspond (For example, in #1, $\angle C \cong \angle R$) Then determine a reflection occurred as part of the sequence of transformations that was used to create the image.

1.

Congruencies

$\angle C \cong \angle R$

Reflected?   Yes or No

2.

Congruencies
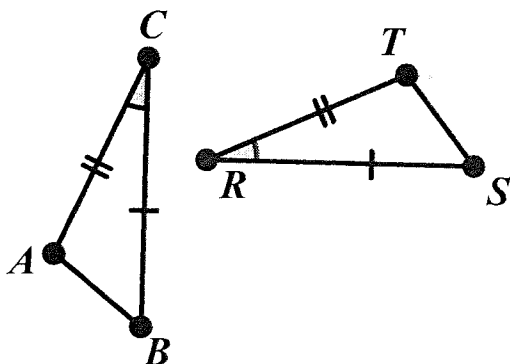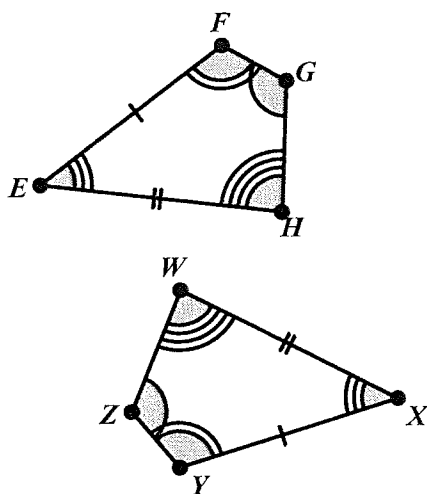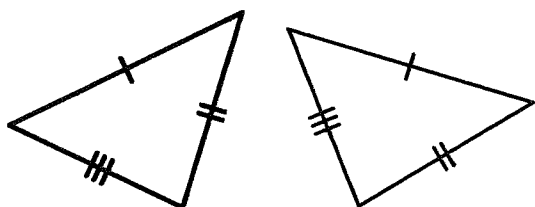
Reflected?   Yes or No

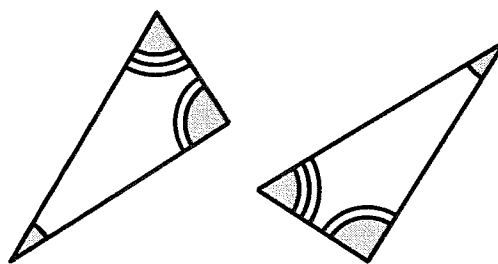# Congruence, Construction, and Proof | 6.9

Set
Topic: Triangle Congruencies

Explain whether or not the triangles are congruent, similar, or neither based on the markings that indicate congruence.
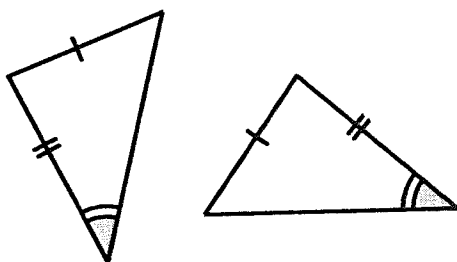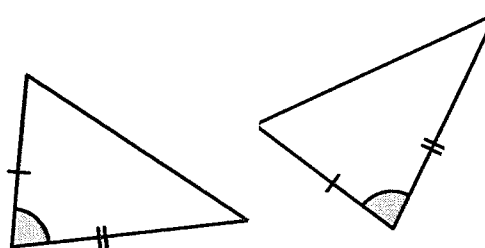
3.

4.
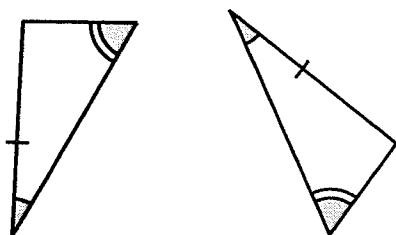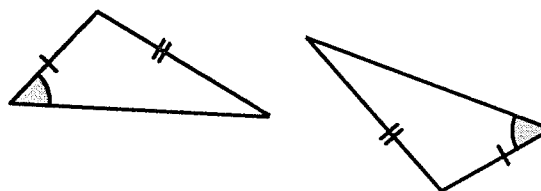

5.

6.

7.

8.

Use the given congruence statement to draw and label two triangles that have the proper corresponding parts congruent to one another.

8. $\triangle ABC \cong \triangle PQR$

9. $\triangle XYZ \cong \triangle KLM$

Go

Topic: Review of solving equations and finding recursive rules for sequences.

Solve each equation for *t*.

10. $\frac{3t-4}{5} = 5$

11. $10 - t = 4t + 12 - 3t$

12. $P = 5t - d$

13. $xy - t = 13t + w$

Use the given sequence of number to write a recursive rule for the *n*th value of the sequence.

14. 5, 15, 45, ...

15. $\frac{1}{2}, 0, -\frac{1}{2}, -1, ...$

16. 3, -6, 12, -24, ...

17. $\frac{1}{2}, \frac{1}{4}, \frac{1}{8}, ...$