READY, SET, GO!

Name

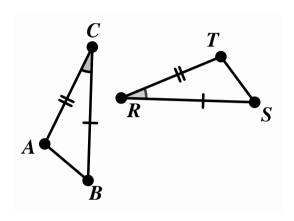
Period

Date

READY

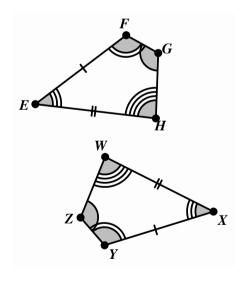
Topic: Corresponding parts of figures and transformations.

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.



Congruencies

$$\angle C \cong \angle R$$
 $BC \cong RS$
 $AC \cong RT$



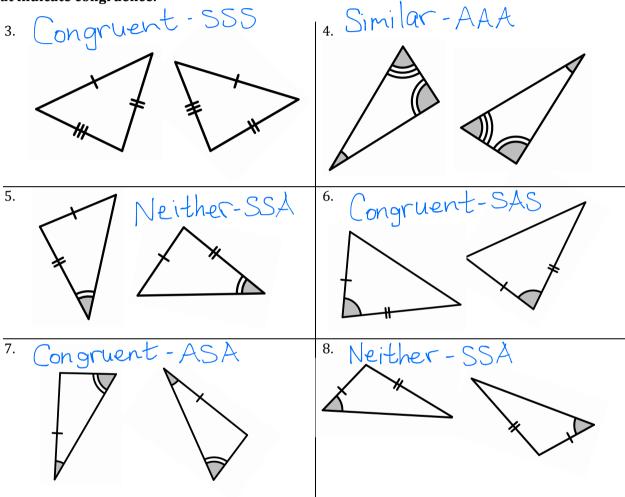
Congruencies

Reflected? Yes or No

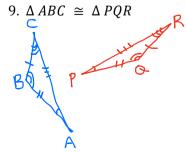
SET

Topic: Triangle Congruence

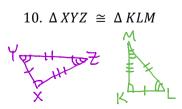
Explain whether or not the triangles are congruent, similar, or neither based on the markings that indicate congruence.



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



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GO

Topic: Solving equations and finding recursive rules for sequences.

Solve each equation for t.

$$11\frac{5.3t-4}{5} = 5.5$$

$$3t-4 = 2.5$$

$$3t = 29$$

$$2 = 29$$

13.
$$P = 5t - d$$

$$+d + d$$

$$P+d = 5t$$

$$5$$

$$t = P+d$$

$$5$$

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

+t $10 - t = t + 12 + t$
 $10 = 2t + 12$
 -12
 $-2 = 2t$
 $-1 = t$

14.
$$xy - t = 13t + w$$

$$+t + t$$

$$\times y = 14t + W$$

$$\times y - W = 14t$$

$$14$$

$$+t + W$$

$$\times y - W = 14t$$

$$14$$

$$+t + W$$

$$\times y - W = 14t$$

$$14$$

Use the given sequence of number to write a recursive rule for the nth value of the sequence.

15. 5, 15, 45, ...
$$f(n) = 3f(n-1)$$

$$f(1) = 5$$

16.
$$\frac{1}{2}$$
, 0, $-\frac{1}{2}$, -1, ...
 $\frac{1}{2}$ (n) = $\frac{1}{2}$ (n-1) - $\frac{1}{2}$
 $\frac{1}{2}$ (1) = $\frac{1}{2}$

18.
$$\frac{1}{2}$$
, $\frac{1}{4}$, $\frac{1}{8}$, ... $\frac{1}{5}(n) = \frac{1}{2} \cdot \frac{1}{5}(n-1)$