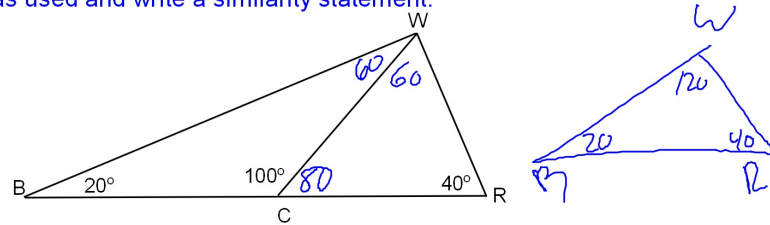


Bellwork Monday, February 24, 2014

1. Are the triangles similar? If yes, state with postulate or theorem was used and write a similarity statement.

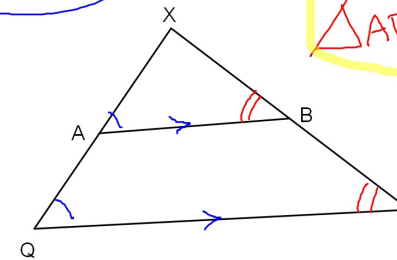


NO

Corresponding angles are not congruent.

2. Are the triangles similar? If yes, state with postulate or theorem was used and write a similarity statement.

Given $\overline{AB} \parallel \overline{QR}$

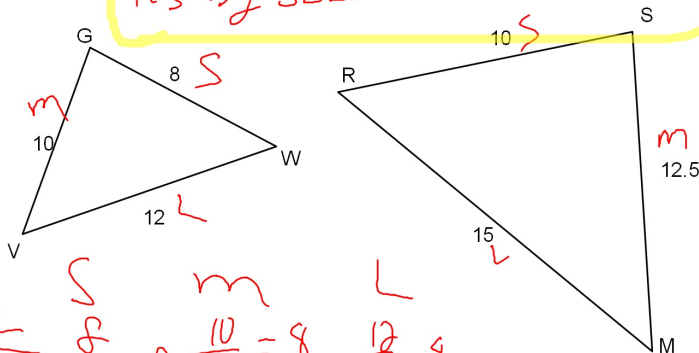


Yes by AA Post
 $\triangle ABX \sim \triangle QRX$

corresponding angles are congruent

3. Are the triangles similar? If yes, state with postulate or theorem was used and write a similarity statement.

Yes by SSS. $\triangle WGV \sim \triangle RSM$



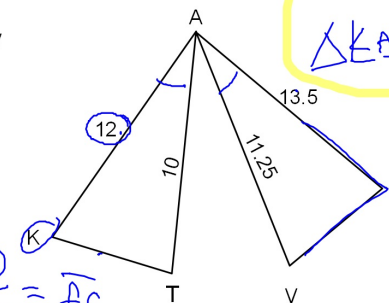
$$\frac{10}{12.5} = 0.8 \quad \frac{8}{10} = 0.8 \quad \frac{12}{15} = 0.8$$

4. Are the triangles similar? If yes, state with postulate or theorem was used and write a similarity statement.

Given: $\angle KAT \cong \angle YAV$

SAS

$$\frac{12}{13.5} = 0.88 \quad \frac{10}{11.25} = 0.88$$




Yes by SAS
 $\triangle KAT \sim \triangle YAV$

5. A 22 foot tall flagpole casts an 18 foot long shadow. How long would the shadow of a 6 foot tall person be?

$$\frac{22}{18} = \frac{6}{x}$$

$$10 = 22x$$

$$x = 9.9$$


6. **WALKING** Find the distance from the park to the house.

