

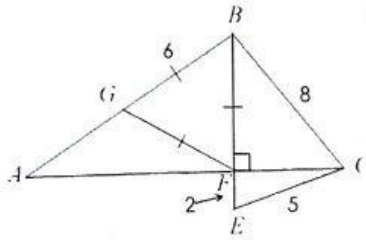


Unit 4 Test Geometry: Congruent Triangles

Classifying and Solving for Sides/Angles

Name: _____ Date: _____ Pd: _____

Directions: If G is the midpoint of $\overline{AB}$, classify each triangle by its angles and sides.



1. $\triangle CFE$: _____

2. $\triangle BEC$: _____

3. $\triangle BFG$: _____

4. $\triangle GAF$: _____

Find all missing angles for #6-7

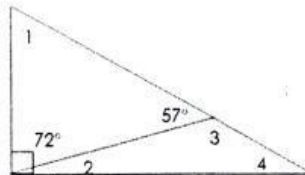
6.

$m\angle 1 =$ _____

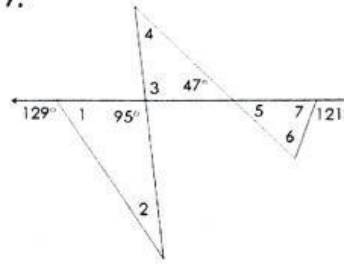
$m\angle 2 =$ _____

$m\angle 3 =$ _____

$m\angle 4 =$ _____



7.



$m\angle 1 =$ _____

$m\angle 2 =$ _____

$m\angle 3 =$ _____

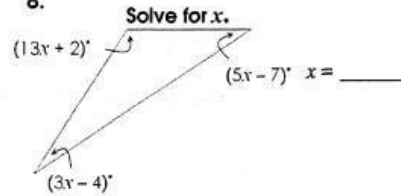
$m\angle 4 =$ _____

$m\angle 5 =$ _____

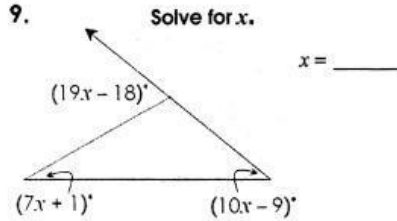
$m\angle 6 =$ _____

$m\angle 7 =$ _____

8.



9.



Extra Credit

5. If $W(-10, 4)$, $X(-3, -1)$, and $Y(-5, 11)$ classify $\triangle WXY$ by its sides. Show all work to justify your answers.

$\triangle WXY$ is _____

$WX =$ _____

$XY =$ _____

$WY =$ _____