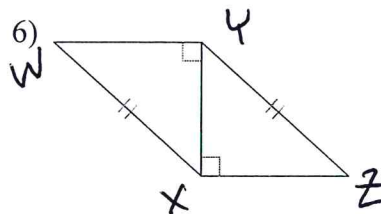
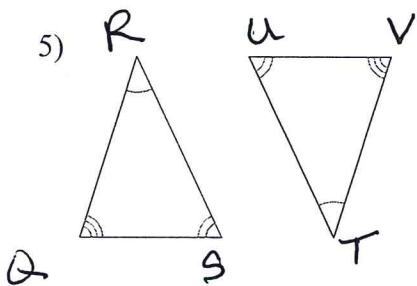
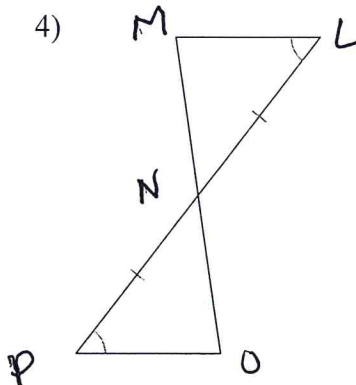
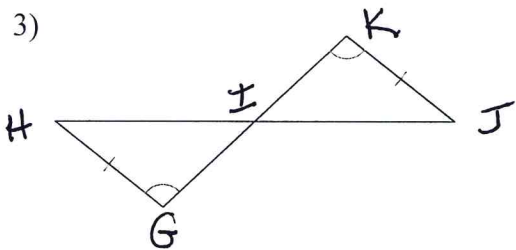
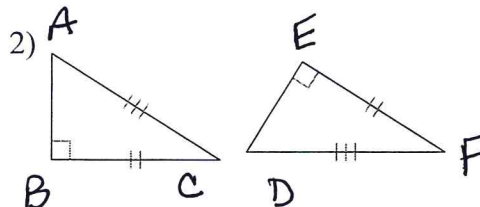
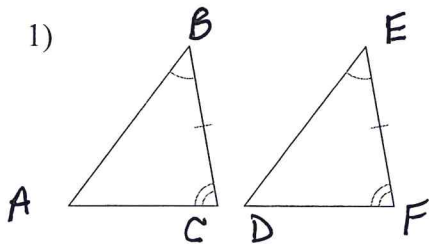
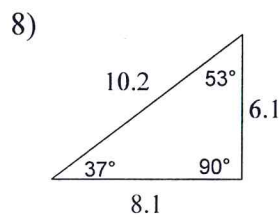
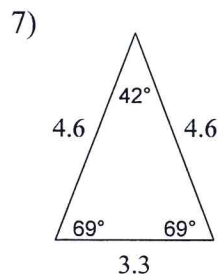


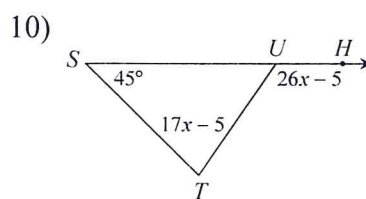
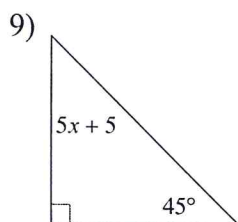
Are the two triangles congruent? If yes: a) by what theorem? b) write a congruence statement.
 If no, write not enough information.



Classify each triangle by its a) angles (acute, right, obtuse, equiangular) and b) sides (scalene, isosceles, equilateral).

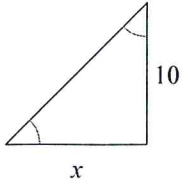


Solve for x .

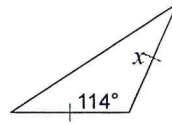


Find the value of x .

11)

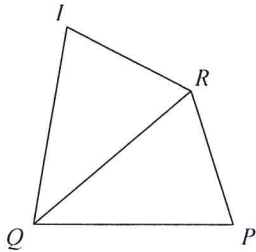


12)



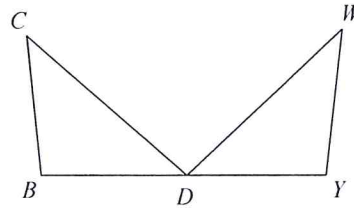
Complete each congruence statement by naming the corresponding angle or side.

13) $\triangle QRP \cong \triangle QRI$



$\angle QRP \cong ?$

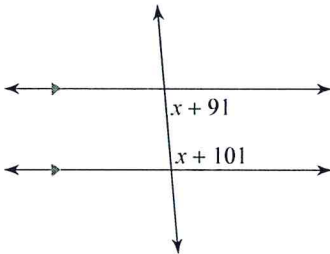
14) $\triangle BCD \cong \triangle YDW$



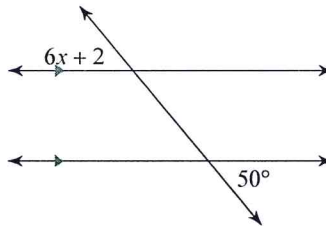
$\angle CDB \cong ?$

Solve for x .

15)



16)



Write the slope-intercept form of the equation of the line described.

17) through: $(5, -5)$, parallel to $y = -\frac{7}{5}x + 3$

Write the slope-intercept form of the equation of the line through the given points.

18) through: $(2, -4)$ and $(-5, 3)$

Solve each equation.

19) $-3(5a - 4) + 4 = 61$

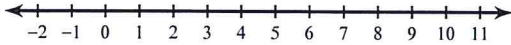
Assignment

Solve the system of equation.

$$\begin{aligned} 20) \quad x - 14y &= 10 \\ 2x - 7y &= 20 \end{aligned}$$

Solve the inequality.

$$21) \quad 8 + |n - 4| \leq 12$$



Solve the equation for the indicated variable.

$$22) \quad xc = d + r, \text{ for } x$$

Sketch the graph of the line.

$$23) \quad y = -\frac{3}{2}x - 2$$

