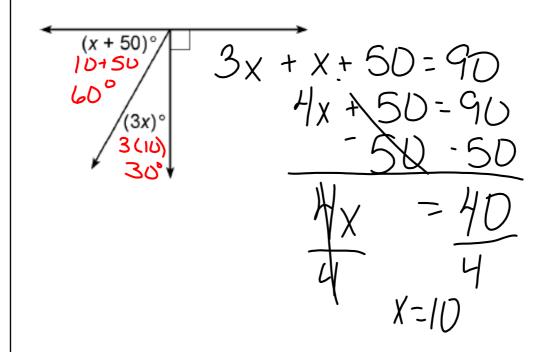
Do Now

- 1) Find the value of x
- 2) Find the degree measure of each angle



Jan 25-12:23 PM

Homework Answers

1)
$$\angle PQR = 109$$

5)
$$m \angle 1 = 60$$

 $m \angle 2 = 30$

2)
$$_{\text{m} \angle 3=66}$$

6)
$$m \angle 1 = 79$$
 $m \angle 2 = 79$

$$7)x = 4$$

4)
$$m \angle 1 = 132$$

 $m \angle 2 = 48$

$$8)x=6$$

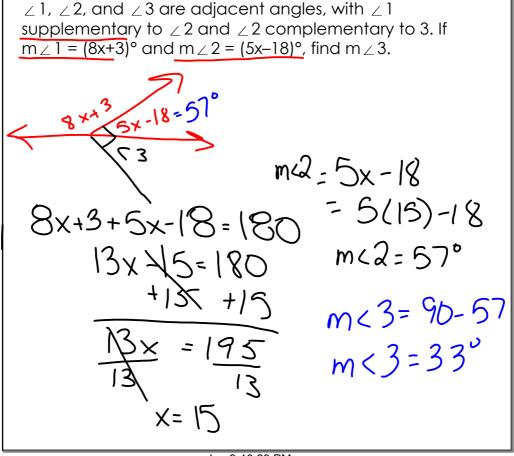
Jan 8-5:10 PM

If $\angle 1$ and $\angle 2$ are complementary and their measures are in the ratio of 2:4. Find the m $\angle 1$ & m $\angle 2$.

If $\angle 1$ and $\angle 2$ are complementary and their measures are in the ratio of 4:5. Find the m $\angle 1$ & m $\angle 2$.

$$4x + 6x = 90$$
 $m(1 = 4x)$
 $9x = 90$ $m(1 = 40)$
 $x = 10$ $m(2 = 6x)$
 $= 5(10)$
 $= 50$

Jan 9-6:47 AM



 $\angle P$ and $\angle Q$ are supplementary angles. If $m\angle P$ is 21 degrees less than twice the measure of $\angle Q$, find the measure of each angle.

measure of each angle.

$$2x-21+x=180$$
 $3x-81=180$
 $42x-21$
 $3x=201$
 $x=67$

Jan 10-6:36 AM

If $\angle 1$ and $\angle 2$ are supplementary and their measures are in the ratio of 5:7. Find the m $\angle 1$ & m $\angle 2$.

$$5x + 7x = 180$$
 $m < 1 = 5x$
 $12x = 180$ $m < 1 = 75$
 $12x = 15$ $m < 2 = 7x$
 $13x = 15$ $m < 2 = 105$