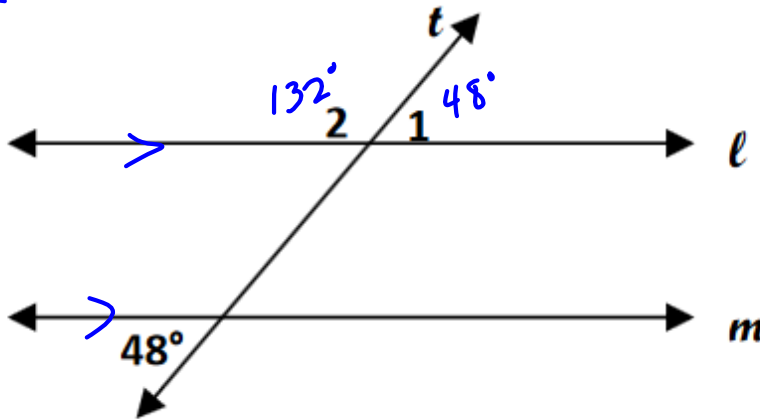


DO NOW

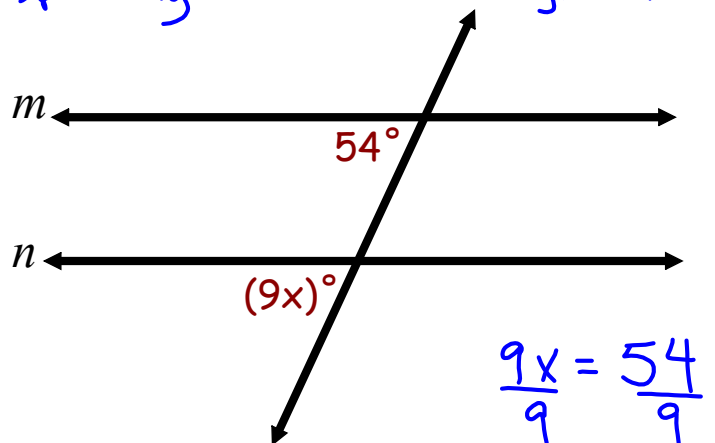
$l \parallel m$. Find $m\angle 1$ and $m\angle 2$



Sep 30-10:59 AM

In the given diagram, $m \parallel n$. Find the value of x .

Corresponding \angle 's are congruent



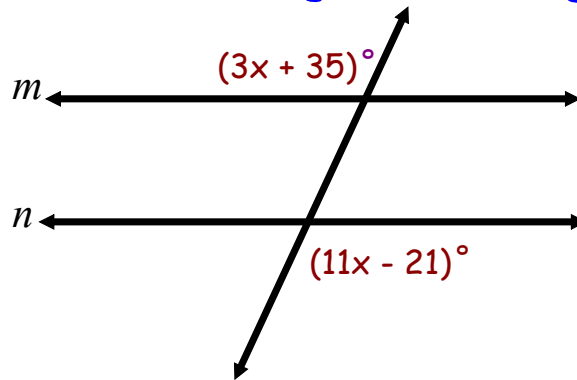
$$\frac{9x}{9} = \frac{54}{9}$$

$$x = 6$$

Sep 30-11:00 AM

In the given diagram, $m \parallel n$. Find the value of x .

Alternate Exterior Angles are congruent

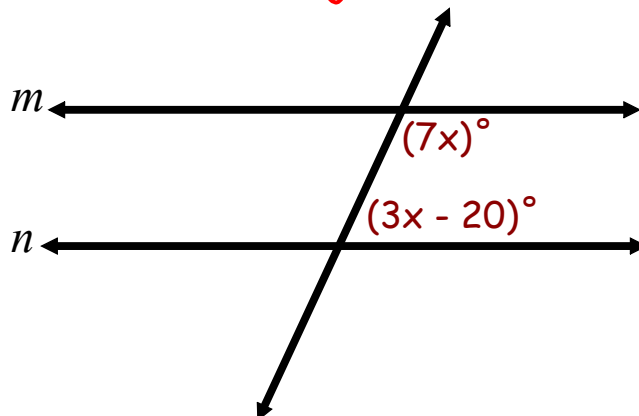


$$\begin{array}{r}
 3x + 35 = 11x - 21 \\
 -3x \quad -3x \\
 \hline
 35 = 8x - 21 \\
 +21 \quad +21 \\
 \hline
 56 = 8x \\
 \boxed{7 = x}
 \end{array}$$

Sep 30-11:00 AM

In the given diagram, $m \parallel n$. Find the value of x .

Consecutive Interior Angles are Supplementary

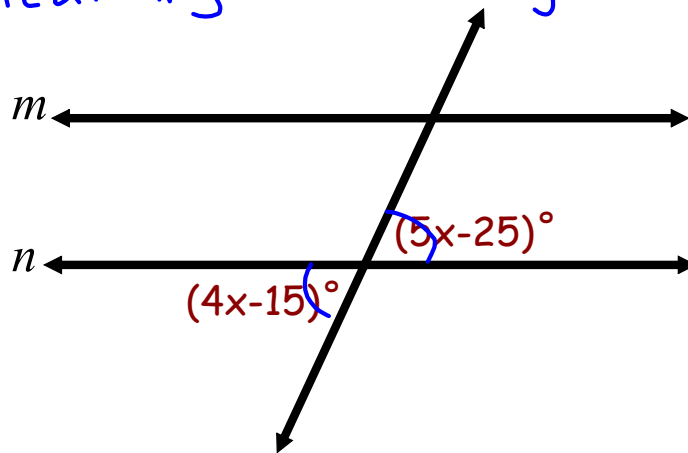


$$\begin{array}{r}
 7x + 3x - 20 = 180 \\
 10x - 20 = 180 \\
 \quad +20 \quad +20 \\
 \hline
 10x = 200 \\
 \boxed{x = 20}
 \end{array}$$

Sep 30-11:00 AM

In the given diagram, $m \parallel n$. Find the value of x .

Vertical Angles are congruent



$$4x - 15 = 5x - 25$$

$$\boxed{10 = x}$$

Sep 30-11:00 AM