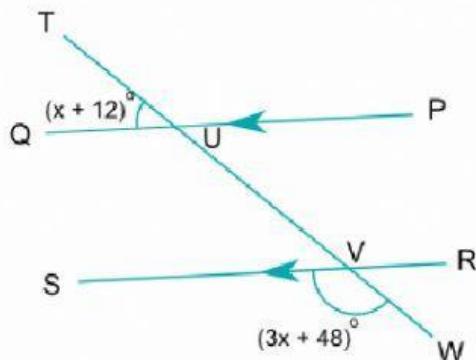


Application_Grade-7_Lines and Angles

Introduction to Transversal and parallel Lines



PQ and RS are parallel lines and TW is a transversal.

The size of angle TUQ is $(x + 12)^\circ$ and the size of angle SVW is $(3x + 48)^\circ$

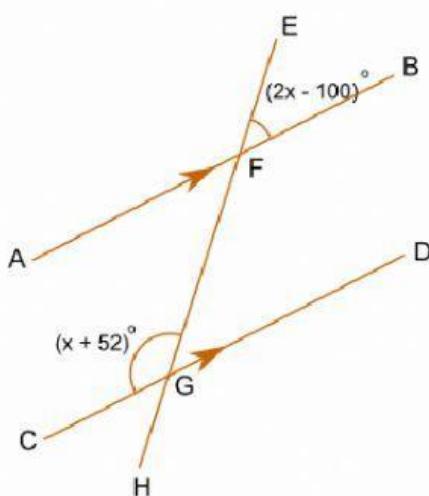
What is the value of x?

A $x = 18$

B $x = 20$

C $x = 30$

D $x = 42$



AB and CD are parallel lines and EH is a transversal.

The size of angle EFB is $(2x - 100)^\circ$ and the size of angle CGF is $(x + 52)^\circ$

What is the actual size of the Angle EFB ?

A 12°

B 52°

C 72°

D 128°

In the diagram, $l \parallel m$. If $m\angle 5 = 25^\circ$, determine the measure of all other angles.

$$m\angle 1 =$$

$$m\angle 2 =$$

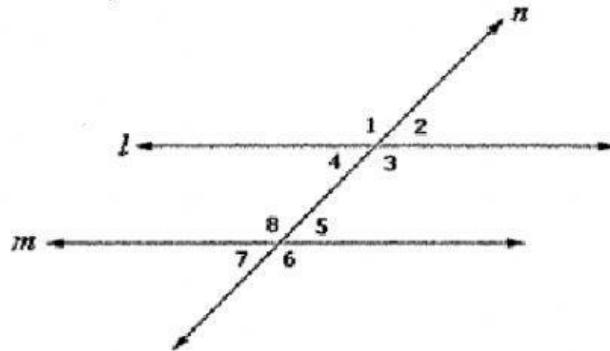
$$m\angle 3 =$$

$$m\angle 4 =$$

$$m\angle 6 =$$

$$m\angle 7 =$$

$$m\angle 8 =$$



What type of angles are $\angle 2$ and $\angle 4$? _____

What type of angles are $\angle 1$ and $\angle 4$? _____

What type of angles are $\angle 2$ and $\angle 5$? _____

What type of angles are $\angle 2$ and $\angle 7$? _____

What type of angles are $\angle 3$ and $\angle 8$? _____