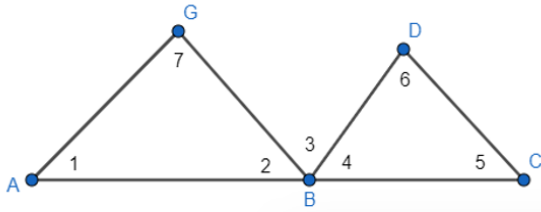


Directions: Rename each angle with 3 letters.



1) $\angle 1$

$\angle GAB$
or
 $\angle BAG$

2) $\angle 2$

$\angle GBA$
or
 $\angle ABG$

3) $\angle 3$

$\angle GBD$
or
 $\angle DBG$

4) $\angle 4$

$\angle OBC$
or
 $\angle CBO$

5) $\angle 5$

$\angle BCD$
or
 $\angle DCB$

6) $\angle 6$

$\angle BDC$
or
 $\angle CDB$

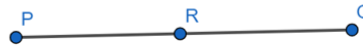
Directions: Classify each angle as either ACUTE, RIGHT, OBTUSE, or STRAIGHT.

7)



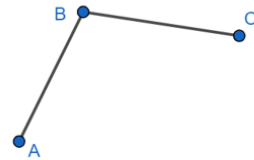
ACUTE

8)



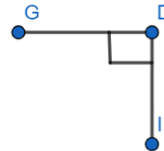
STRAIGHT

9)



OBTUSE

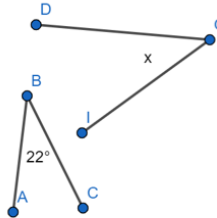
10)



RIGHT

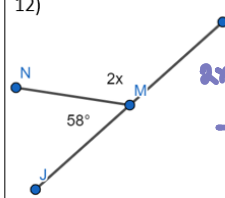
Directions: If not mentioned, identify whether the angles are COMPLEMENTARY or SUPPLEMENTARY. Then, solve for x.

11) The angles are complementary.



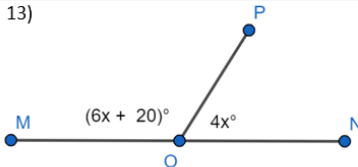
$$\begin{array}{r} x + 22 = 90 \\ -22 \quad -22 \\ \hline x = 68 \end{array}$$

12)



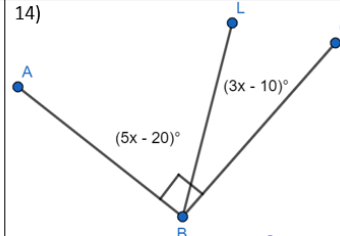
$$\begin{array}{r} 2x + 58 = 180 \\ -58 \quad -58 \\ \hline 2x = 122 \\ \frac{2x}{2} = \frac{122}{2} \\ x = 61 \end{array}$$

13)



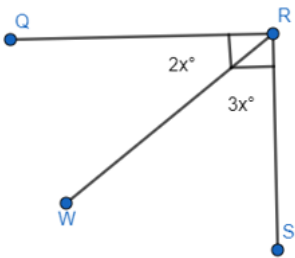
$$\begin{array}{r} 6x + 20 + 4x = 180 \\ 10x + 20 = 180 \\ -20 \quad -20 \\ \hline 10x = 160 \\ \frac{10x}{10} = \frac{160}{10} \\ x = 16 \end{array}$$

14)



$$\begin{array}{r} 5x - 20 + 3x - 10 = 90 \\ 8x - 30 = 90 \\ +30 \quad +30 \\ \hline 8x = 120 \\ \frac{8x}{8} = \frac{120}{8} \\ x = 15 \end{array}$$

15)

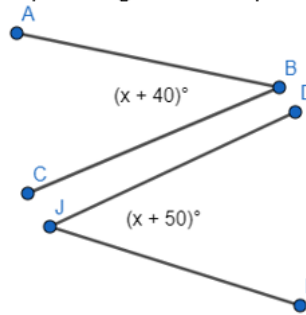


$$2x + 3x = 90$$

$$\frac{5x}{5} = \frac{90}{5}$$

$$x = 18$$

16) The angles are complementary.



$$x + 40 + x + 50 = 90$$

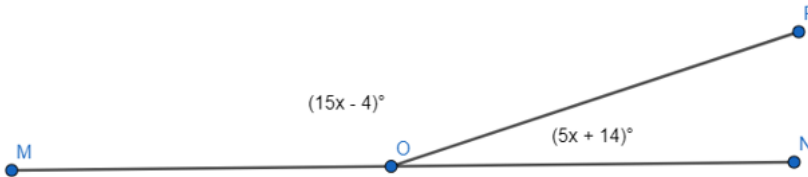
$$2x + 90 = 90$$

$$-90 \quad -90$$

$$\underline{2x = 0}$$

$$x = 0$$

17)



$$15x - 4 + 5x + 14 = 180$$

$$20x + 10 = 180$$

$$\underline{-10 \quad -10}$$

$$20x = 170$$

$$x = 8.5$$