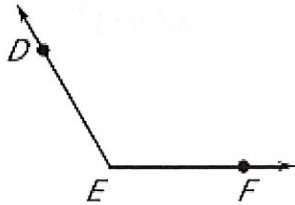


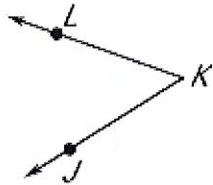
LESSON 1.4
Practice A

Write three names for the angle shown. Then name the vertex and sides of the angle.

1.



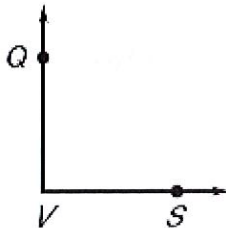
2.



$\angle LKJ$, $\angle JKL$, $\angle K$

Vertex: K Sides: \vec{KL} , \vec{KJ}

3.



Classify the angle with the given measure as *acute*, *obtuse*, *right*, or *straight*

4. $m\angle A = 115^\circ$ obtuse

5. $m\angle A = 85^\circ$ _____

6. $m\angle A = 90^\circ$ right

7. $m\angle A = 170^\circ$ _____

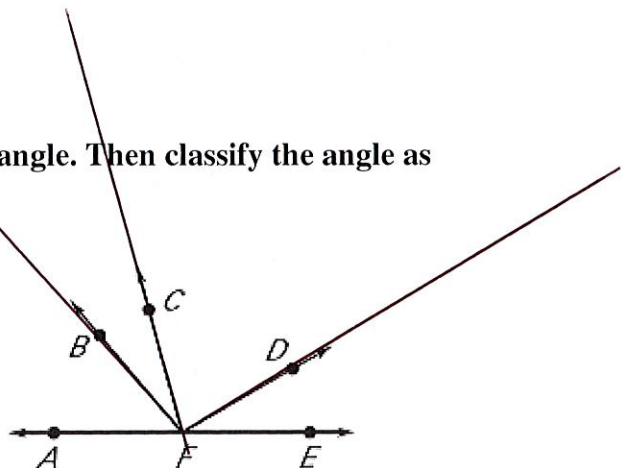
Use a protractor to find the measure of the given angle. Then classify the angle as *acute*, *obtuse*, *right*, or *straight*

8. $\angle DFE = 30^\circ$ Acute

9. $\angle AFB$

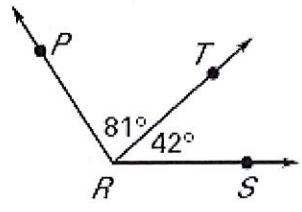
10. $\angle CFE = 105^\circ$ Obtuse

11. $\angle AFE$



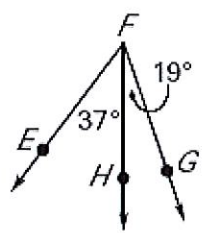
Find the indicated angle measure.

8. $m\angle PRS = ?$ 123°

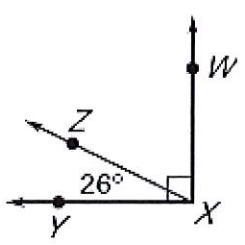


$81 + 42 = 123$

9. $m\angle EFG = ?$



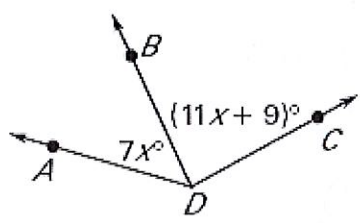
10. $m\angle WXZ = ?$ 64°



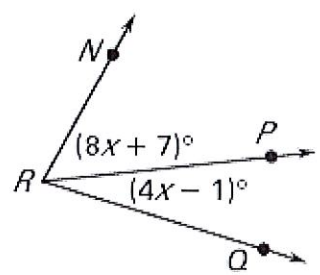
$90 - 26$

Use the given information to find the indicated angle measure.

11. Given $m\angle ADC = 135^\circ$, find $m\angle BDC$.



12. Given $m\angle NRQ = 78^\circ$, find $m\angle PRQ$.



$$8x + 7 + 4x - 1 = 78$$

$$12x - 6 = 78$$

$$12x = 84$$

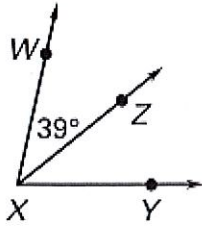
$$x = 7$$

$m\angle PRQ = 4(7) - 1$
 $m\angle PRQ = 27^\circ$

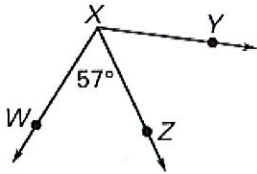
\overrightarrow{XZ}

Given that \overrightarrow{XZ} bisects $\angle WXY$, find the two angle measures not given in the diagram.

13.

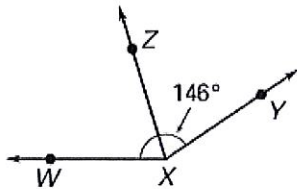


14.

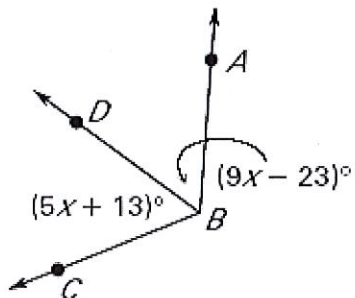


$$\begin{aligned} m\angle YXZ &= 57^\circ \\ m\angle YXW &= 114^\circ \end{aligned}$$

15.



16.



$$9x - 23 = 5x + 13$$

$$4x = 36$$

$$x = 9$$

$$m\angle CBD = 5(9) + 13$$

$$m\angle CBD = 58^\circ$$

$$m\angle ABD = 9(9) - 23$$

$$m\angle ABD = 58^\circ$$