1-4   Practice

Angle Measure

For Exercises 1–10, use the figure at the right.

Name the vertex of each angle.

1. $\angle 5$ **2.** $\angle 3$

3. $\angle 8$ **4.** $\angle NMP$

Name the sides of each angle.

5. $\angle 6$ **6.** $\angle 2$

7. $\angle MOP$ **8.** $\angle OMN$
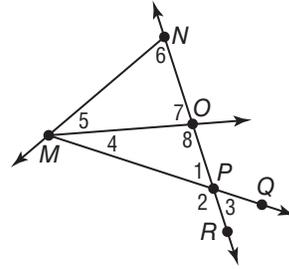
Write another name for each angle.

9. $\angle QPR$ **10.** $\angle 1$

Classify each angle as *right*, *acute*, or *obtuse*. Then use a protractor to measure the angle to the nearest degree.

11. $\angle UZW$ **12.** $\angle YZW$

13. $\angle TZW$ **14.** $\angle UZT$
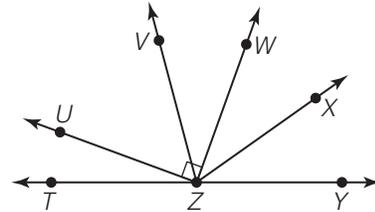
ALGEBRA In the figure, $\overrightarrow{CB}$ and $\overrightarrow{CD}$ are opposite rays, $\overrightarrow{CE}$ bisects $\angle DCF$, and $\overrightarrow{CG}$ bisects $\angle FCB$.

15. If $m\angle DCE = 4x + 15$ and $m\angle ECF = 6x - 5$, find $m\angle DCE$.

16. If $m\angle FCG = 9x + 3$ and $m\angle GCB = 13x - 9$, find $m\angle GCB$.
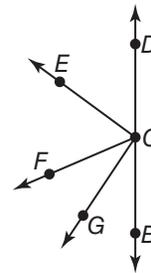
17. TRAFFIC SIGNS The diagram shows a sign used to warn drivers of a school zone or crossing. Measure and classify each numbered angle.