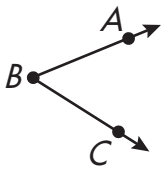
NAME _____

Lesson 8.1 Points, Lines, Rays, and Angles



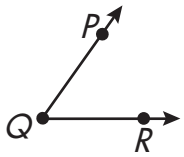
The **angle** ABC (denoted $\angle ABC$) is made of ray BA ($\overrightarrow{BA}$) and ray BC ($\overrightarrow{BC}$). The point where the two rays intersect is called the vertex. The **vertex** of $\angle ABC$ is point *B*.

An angle can be measured using a **protractor**. A protractor measures angles that range from 0° to 180°.

Identify or draw the rays and vertex of each angle. Name or label the angle.

1.

a



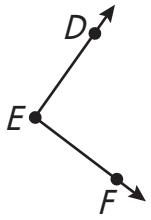
rays: _____

_____

vertex: _____

angle: _____

b



rays: _____

_____

vertex: _____

angle: _____

2.

rays: $\overrightarrow{LM}$

$\overrightarrow{MN}$

vertex: M

angle: $\angle LMN$

rays: $\overrightarrow{BC}$

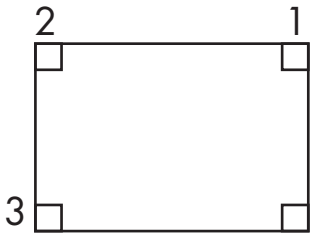
$\overrightarrow{BA}$

vertex: B

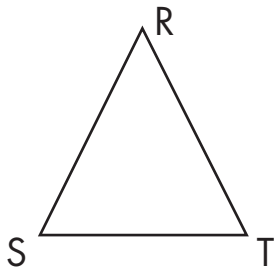
angle: $\angle CBA$

Identify an angle in each figure shown. Draw a figure for each angle given.

3.



angle: _____



angle: _____

4. $\angle XYZ$ $\angle 678$