

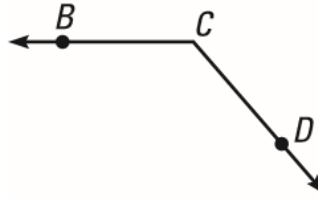
Naming Angles

An **angle** consists of two rays that have the same endpoint.

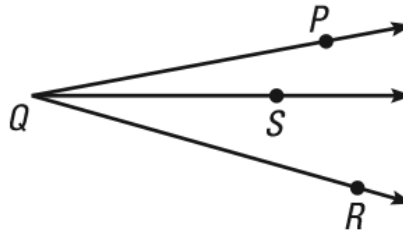
The rays are the sides of the angle.

The endpoint is the **vertex** of the angle.

Ex. 1 Name the angle in the figure.



Ex.2 Name the angles in the figure.



Classifying Angles

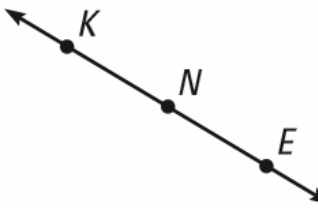
Acute: measures between 0° and 90°

Obtuse: measures between 90° and 180°

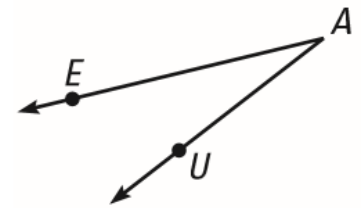
Right: measure is 90°

Straight: measure is 180°

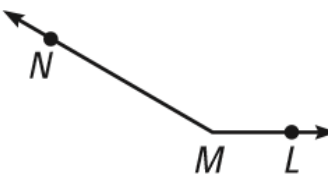
Ex.3 Classify the angles.



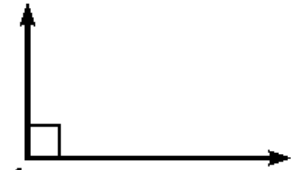
Ex.4



Ex.5



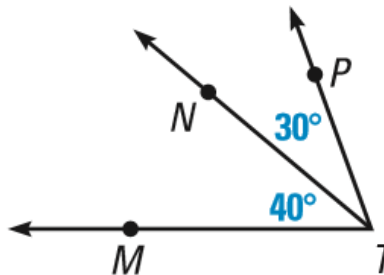
Ex.6

**Angle Addition Postulate**

If you two angles are side by side, then the measure of the resulting angle will be equal to the sum of the two original angle measures.

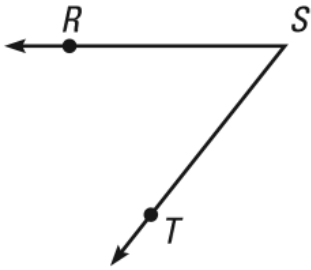
$$m\angle RSP + m\angle PST = m\angle RST$$

Ex.7 Find the measure of $\angle PTM$.

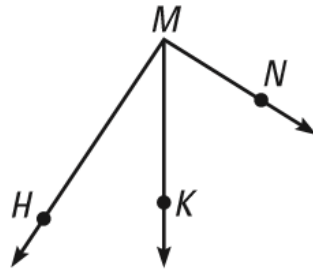


Name the angles in the figure.

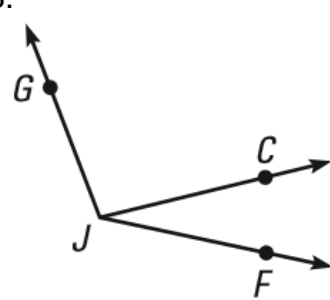
1.



2.



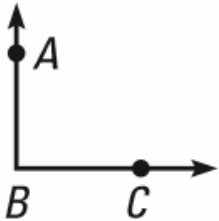
3.



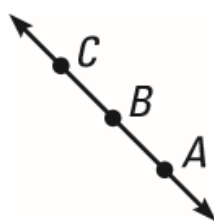
State whether the angle appears to be acute, right, obtuse, or straight.

4. 180° 5. 34° 6. 100° 7. 9°

8.



9.



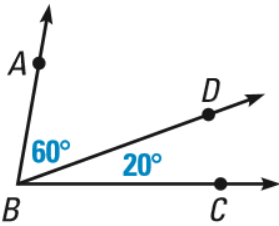
10.



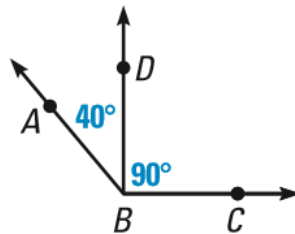
11.

Find the measure of $\angle ABC$.

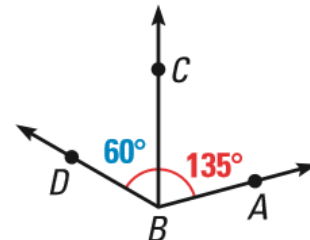
4.



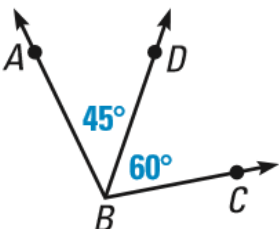
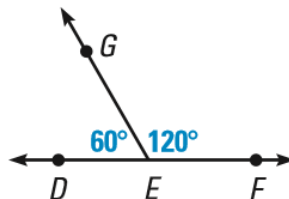
5.



6.



Find the measure of the angle.

15. $m\angle ABC$ 16. $m\angle DEF$ 15. $m\angle PQR$ 