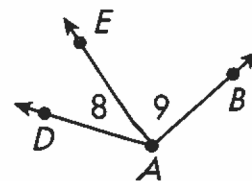# Lesson 1.2 Rays and Angles

In the figure at right, you can see there are three angles with the same vertex. The common vertex is A.

When you have more than one angle at a vertex, use three points to name an angle. The vertex is always the middle letter. You can also refer to the angle with a number.
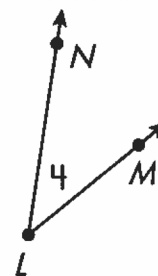
For example, you can name the angle ∠8 as ∠DAE or ∠EAD. You can name angle ∠9 as ∠EAB or ∠BAE. The third angle in the figure to the right is ∠DAB, or ∠BAD.

Complete the following. The first answer is given.

1. angles: ∠NLM ∠MLN ∠L ∠4

   vertex: L   sides: $\overrightarrow{LM}$ $\overrightarrow{LN}$

   rays: $\overrightarrow{LM}$ $\overrightarrow{LN}$

2. angles: _____ _____ _____ _____

   vertex: _____   sides: _____ _____

   rays: _____ _____
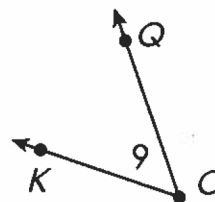
3. Name the angles that have A as their vertex.

   _____ _____ _____

4. Name the sides of ∠EAC.

   _____ _____