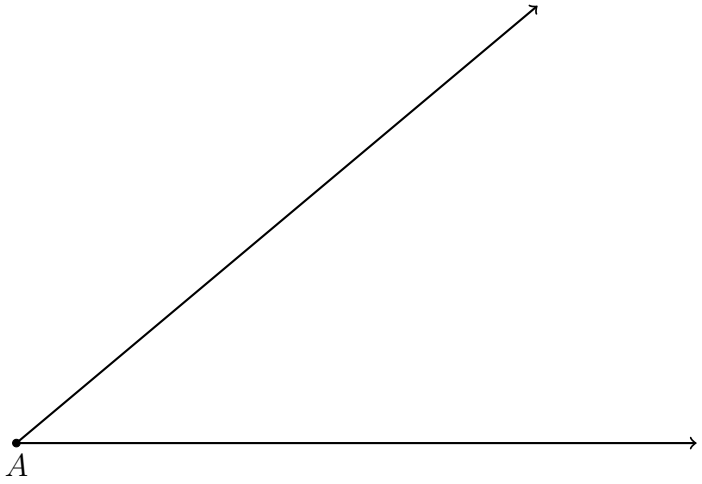
Unit 2: Angles Name:
28 Sept 2022

2.1 Classwork: Angle measures

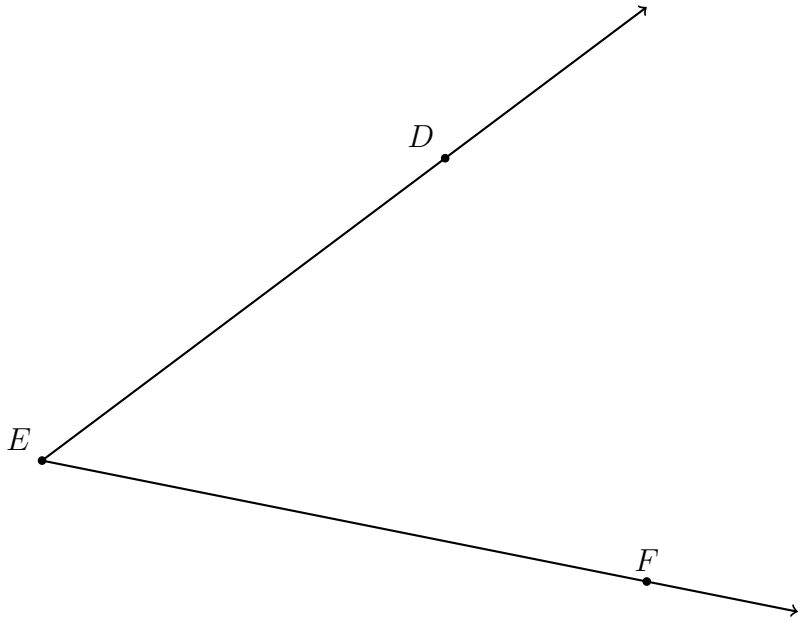
1. Given an angle with vertex A.
   (a) Using a protractor, measure angle A in degrees. $m\angle A =$

   (b) Draw a ray $\overrightarrow{AB}$ that exactly bisects $\angle A$.

   (c) What is the measure of each half angle?



2. (a) Write down the name of the angle shown in the diagram below using proper geometric notation.
   (b) Find the measure of the angle in degrees with a protractor.
   (c) Is it an acute, obtuse, or right angle?



Angle measures using the Babylonian system of 360° in a circle

A full rotation is 360° (a full "turn").

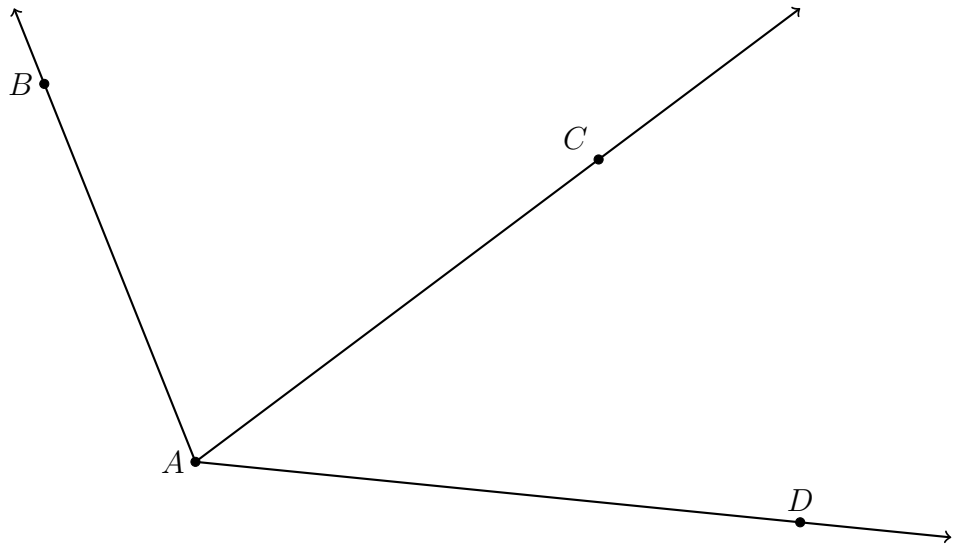
A half turn (straight line) is 180°.

90° is a quarter turn or a *right* angle.

Acute angles measure less than 90°. *Obtuse* angles measure more than 90°.

Adjacent angles ("next to" each other) share a common ray and are external to each other.

3. Write down the name of the *three* angles shown in the diagram below and their angle measures, using your protractor.



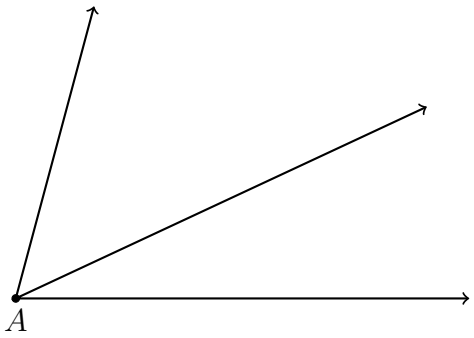
(a) _____

(b) _____

(c) _____

(d) What do you notice about the angle measures?

4. In your notebook, draw an angle that measures 55°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