Unit 2: Angles   Name:
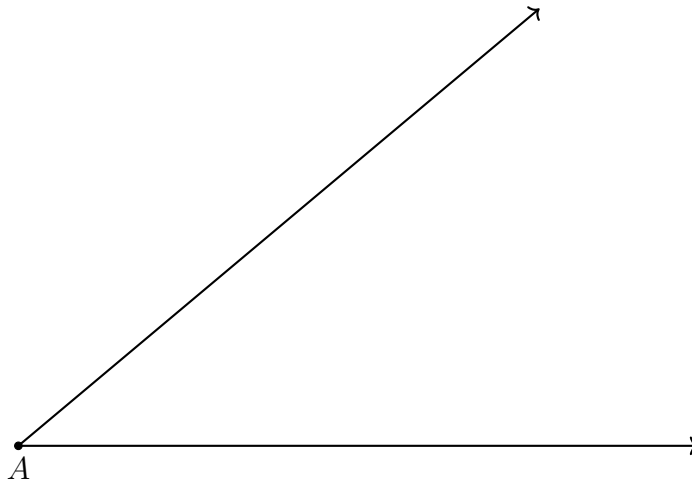3 October 2022

2.4 Classwork: Angle bisector

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. An angle bisector is shown below, with $\overrightarrow{PR}$ bisecting $\angle QPS$. Given $m\angle QPR = 3x - 12$ and $m\angle QPS = 5x + 4$, find $m\angle QPS$.