BECA / Dr. Huson / Geometry 10th Grade
Unit 11: Algebra II introduction Name:
4 May 2020

11.4 Homework: Cosine and sine trigonometry ratios

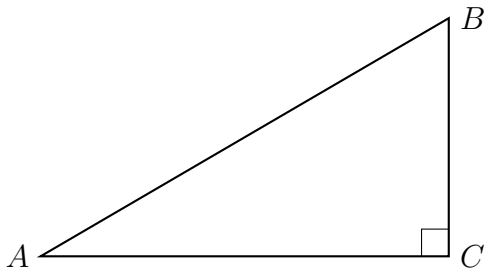
Identify each given side of the triangle

1. $\triangle ABC$ is shown with $m\angle C = 90°$ and the triangle's sides are $\overline{AB}$, $\overline{BC}$, and $\overline{AC}$.

   (a) The hypotenuse.

   (b) The leg adjacent to $\angle A$.

   (c) The side opposite $\angle A$.



2. $\triangle JKL$ is shown with $\overline{JL} \perp \overline{KL}$

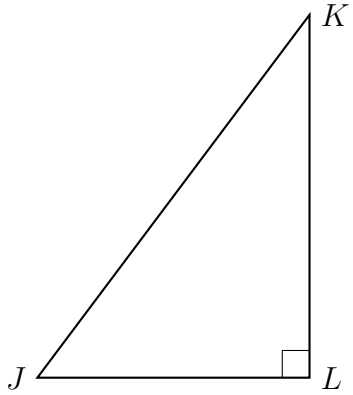
   (a) The leg opposite $\angle K$.

   (b) The side adjacent to $\angle J$.

   (c) The hypotenuse.

   (d) The leg adjacent to $\angle K$.

   (e) The side opposite to $\angle J$.



Write down each value as a ratio (fraction)

3. A right $\triangle PQR$ is shown with side lengths 8, 15, and 17, as marked.

   (a) $\tan P =$

   (b) $\cos P =$

   (c) $\sin Q =$