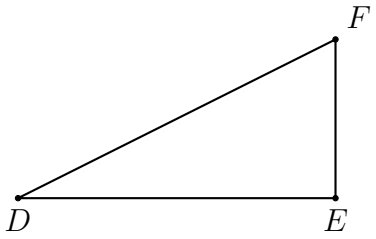
BECA / Dr. Huson / 10th Grade Geometry Name: .
26 November 2018

Do Now: Trigonometric ratios

Show each step, justify each by writing the name of a theorem to the right.

1. Given right $\triangle ABC$ with $AC = 6, BC = 3, AB = 6.71$, $m\angle C = 90°$. Express each trig ratio as a fraction, then as a decimal to the nearest thousandth.



   (a) $\sin A =$

   (b) $\cos A =$

   (c) $\sin B =$

   (d) $\tan B =$

2. Express the result to the nearest thousandth.

   (a) $\cos 60° =$

   (b) $\sin 67° =$

   (c) $\cos 23° =$

   (d) $\tan 45° =$

3. Geometry 1st Trimester $+, \triangle$: What is working? What would you change?
   Reflect on the first trimester. Write down one thing you think is working well for you. Write down one thing that you want to change.

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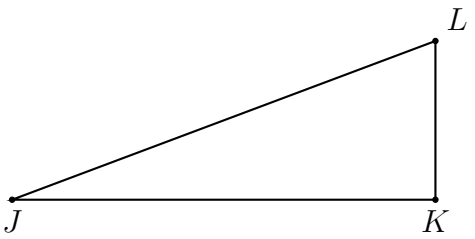
4. Given right $\triangle JKL$ with $\overline{JK} \perp \overline{KL}$, $JL = 7$, $m\angle J = 20°$.



   (a) Find the length JK

   (b) Find the length KL

5. Spicy: Given a rectangle with area 35, width x, and length $x + 2$.

   (a) Find x.

   (b) Find the perimeter of the rectangle.