

Name:

BECA / Dr. Huson / Geometry 6 Trigonometry

6.10 Do Now Quiz: Calculator use**CCSS.HSG.SRT.C.8**

1. Express the result to the nearest thousandth. Angle measures are in degrees.

(a) $\tan 33^\circ =$

(b) $\tan 81^\circ =$

2. Find the tangent of each radian angle measure. Round to the nearest thousandth.

(a) $\tan 1.1 =$

(b) $\tan \frac{\pi}{5} =$

3. Find each angle measure, to the nearest whole degree.

(a) $\tan^{-1}\left(\frac{7}{4}\right) =$

(b) $\tan^{-1}(0.75) =$

4. Convert between radians and degrees. Leave radians in terms of π .

(a) $60^\circ =$

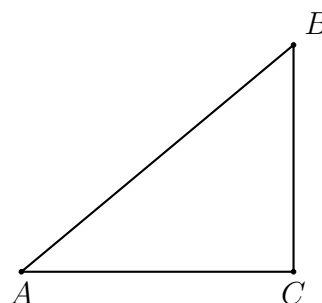
(b) $\frac{\pi}{8} =$

5. Find the value, rounding to the nearest hundredth.

$$AB = \sqrt{(-7.7)^2 + (26.4)^2}$$

6. Mark and label the diagram to reflect the equation:

$$\tan 41^\circ = \frac{12}{14}$$



7. Solve each equation, rounding to the nearest tenth.

(a) $\tan 53^\circ = \frac{x}{11}$

(b) $\tan 47^\circ = \frac{19}{x}$

(c) $\tan \theta = \frac{5.7}{4.4}$

(d) $41 = \sqrt{x^2 + 40^2}$