Name: _____ Period: _____ Date: _____

Right Triangle Trigonometry Exit Quiz

Part A Instructions: Choose the option that completes the sentence or answers the question.

1. **Which one is correct?**
   a. $sin(\theta) = \frac{opposite}{hypotenuse}$
   b. $cos(\theta) = \frac{opposite}{hypotenuse}$
   c. $tan(\theta) = \frac{opposite}{hypotenuse}$
   d. None of these

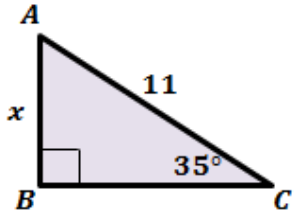
2. **Which one is correct?**
   a. $tan(\theta) = \frac{opposite}{hypotenuse}$
   b. $tan(\theta) = \frac{opposite}{adjacent}$
   c. $sin(\theta) = \frac{opposite}{hypotenuse}$
   d. None of these

3. **If $sin(30°) = 1/2$, what is $cosec(30°)$:**
   a. 1
   b. $\sqrt{2}$
   c. 2
   d. 4

4. **The longest side in a right triangle is:**
   a. hypotenuse
   b. adjacent
   c. opposite
   d. None of these

Part B Instructions: Answer the question below.

5. **Find the unknown variable in the triangle. Round the answer to the nearest tenth.**



Name: _____ Period: _____ Date: _____

Right Triangle Trigonometry Exit Quiz

Answers

Part A Instructions: Choose the option that completes the sentence or answers the question.

1. **Which one is correct?**
   a. $sin(\theta) = \frac{opposite}{hypotenuse}$
   b. $cos(\theta) = \frac{opposite}{hypotenuse}$
   c. $tan(\theta) = \frac{opposite}{hypotenuse}$
   d. None of these

2. **Which one is correct?**
   a. $tan(\theta) = \frac{opposite}{hypotenuse}$
   b. $tan(\theta) = \frac{opposite}{adjacent}$
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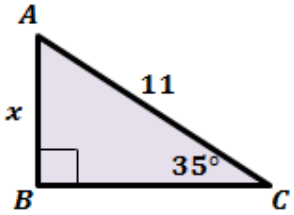

$$sin(C) = \frac{opposite}{hypotenuse}$$

$$sin(35°) = \frac{x}{11}$$

$$x = 11 \times sin(35°)$$

$$x = 6.3$$