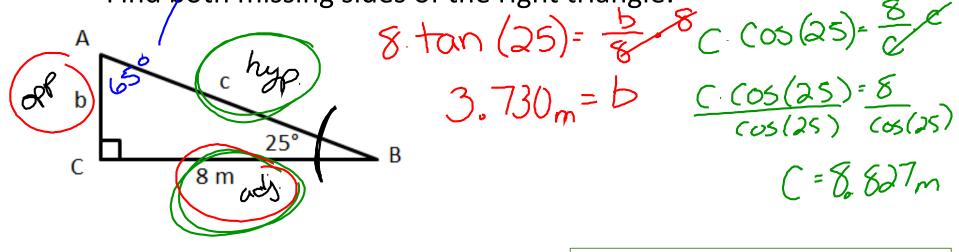
Friday, April 19, 2019

- Warm-up 7180 (25+90)
 - Find both missing sides of the right triangle:



(=8.827m

Objectives

Content: I will apply right triangle trigonometry to calculate missing angles. **Social**: I will help those around me who do not understand. Language: I will clearly define inverse function and what it means in my notes.

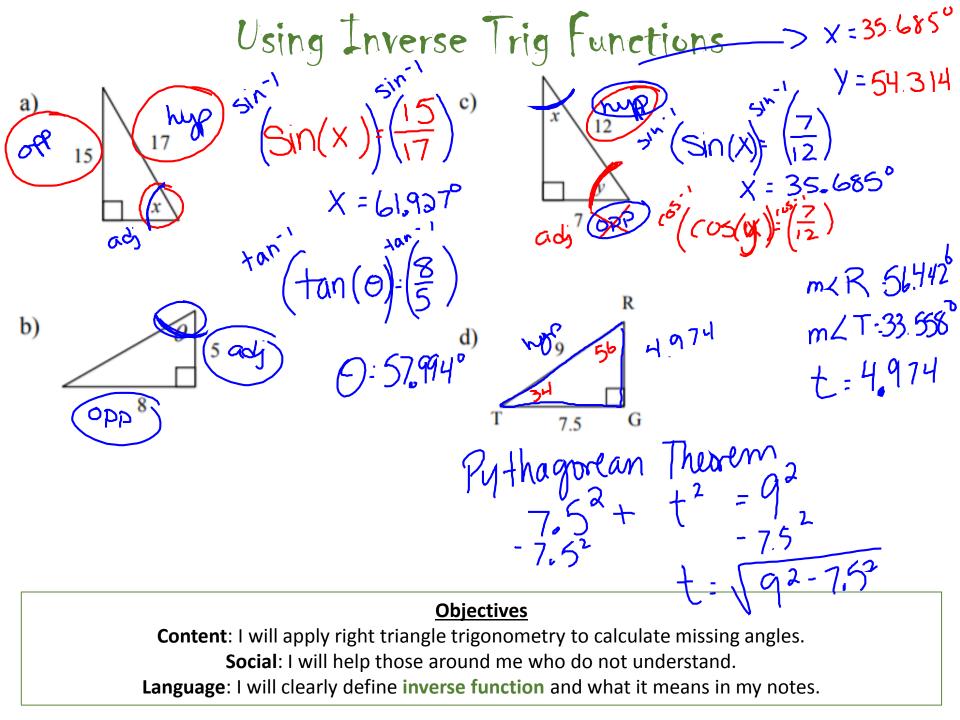
- Inverse Trig Functions
- Using inverse trig to find angles

Inverse Trig Functions $1.\left(\sin(\theta)\right) = \frac{3}{7}$ O= 25.376° 0 = 57.105° 2. $\cos(\theta) = 0.5431$ X= 28.506° $\begin{cases} 3. \\ \tan(x) = 0.5431 \end{cases}$ B= 74.054° 4. $\tan(B) = 3.5^{(7)}$ 5. $\cos(A) = \frac{13}{7} \frac{adj}{hyp}$ -> should be largest valid

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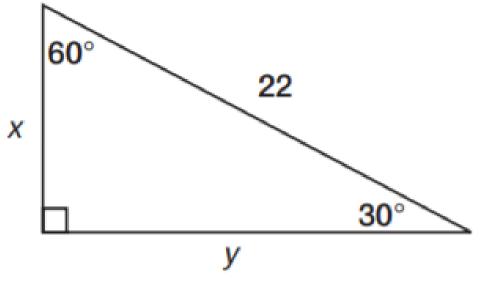
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Soh Cah Toa ZoMbie Turn in: Zombie with Snowman work With weekly sheest \$ work from homework

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What is the length of *y* in the triangle above?

a. 11 **b.** $11\sqrt{2}$ **c.** $11\sqrt{3}$

d. $22\sqrt{2}$

e. $22\sqrt{3}$

Exit Slip

- •Set up the ratio needed & compute a solution.
- Determine <u>and</u> <u>explain</u> a strategy to choose an answer when NONE of them fit your solution the way you have it.

 Choose an answer

Objectives

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