5-14-15

Inverse Trig Functions

Inverse trig functions are used to find the measure of angles given the value of a trig function.



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Example 1: Find the angle with the given sine value.

$$\sin x = \frac{1}{2}$$

(We want to know which angle has a sine value of $\frac{1}{2}$.)

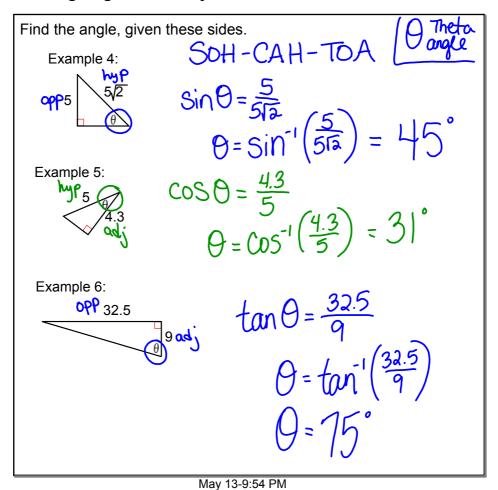
$$\sin^{-1}\frac{1}{2} = x$$

Example 2: Find the angle with the given cosine value.

$$\cos x = 0.694658$$

Example 3: Find the angle with the given tangent value.

$$tan x = -1.03553$$



Conclusion

- 1. What do you press on the calculator to get the inverse? 2nd Soh -(AH ToA)
- 2. What does the inverse give you?
- 3. Questions???



Assignment: Find the Missing Angle

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