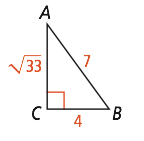
**Objective:**

**Do Now:**

1. Complete the following formulas:

Sin =\_\_\_\_\_\_\_\_\_\_ Cos = \_\_\_\_\_\_\_\_\_\_\_\_ Tan = \_\_\_\_\_\_\_\_\_\_\_\_

1. Find following trig ratios. Leave your answer as a fraction.





Sin ∠A = \_\_\_\_\_\_\_\_\_ Cos ∠B = \_\_\_\_\_\_\_\_\_\_ Tan ∠B = \_\_\_\_\_\_\_\_\_\_

**Trig Functions on the Calculator:**

**Remember**: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Sin(35°) = Cos(47°) = Sin (82°) = Tan(41°) = Sin (15°) = Tan (31°) =

Tan ( 22°) = Cos (27°) = Tan (73°) =

**Hints**

**Sine:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Cosine:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Tangent:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**More Practice**

1. Use the Pythagorean theorem to find the missing side length in the right triangle

α

β

51

1. Find the values for the trig ratios below:

24

Sin(α) = Cos(α) = Tan(α) =

Sin(β) = Cos(β) = Tan(β) =

**2:**

Given: Cos(x) =

1. Label the side lengths of the triangle provided in your given.

x

1. Find the missing side length using the Pythagorean theorem.
2. Find values for the remaining trig functions: Sin(x) = Tan(x) =