Suppose f is a periodic function with a period of 8

Given f(9)= -15 and f(11) = 6

1. Find f(35) $= 6$

2. Find f(1) $= -15$

3. Find f(-13) $= 6$

$f(-567) = -15$

$9 - -567 = 576$

$11 - -567 = 578$

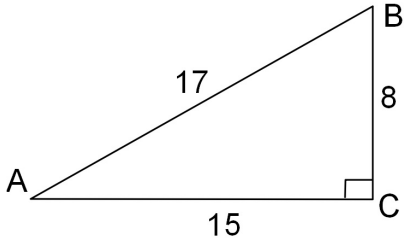
SOHCAHTOA

Find each as a ratio:

Tan B = $\frac{15}{8}$

Cos A = $\frac{15}{17}$

Sin A = $\frac{8}{17}$



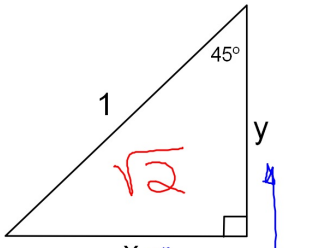
Why don't we take the Sin, Cos, or Tan of Angle C?

Because both legs are adjacent and there is no opposite leg.

Find the value of x and y in simplified radical form.
Rationalize all denominators.

$\sqrt{3} \div 2$

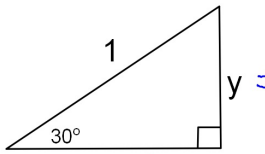
1.



$\sqrt{2}$

$\frac{1}{\sqrt{2}} \cdot \frac{\sqrt{2}}{\sqrt{2}} = \frac{\sqrt{2}}{2}$

2.



$\frac{1}{2}$

$\frac{1}{2} \cdot \sqrt{3} = \frac{\sqrt{3}}{2}$

Right triangle trigonometry involves angles with the following measures:

$0° < \theta < 90°$

This means you were only able to find the Sin, Cos, and Tan of acute angles.

Sec 13-2 Angles in Standard Position:

- Vertex is at the origin
- One ray is on the positive x-axis.