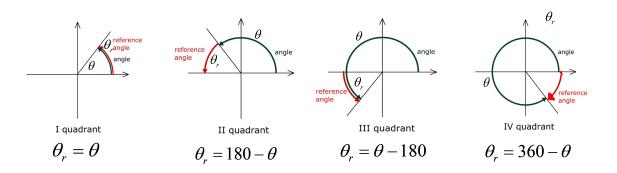
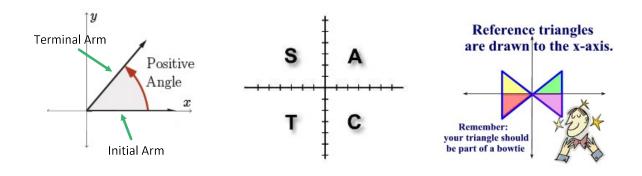
Lesson 4.1B: Angles between 0° and 360° (Day 2)

Recall:

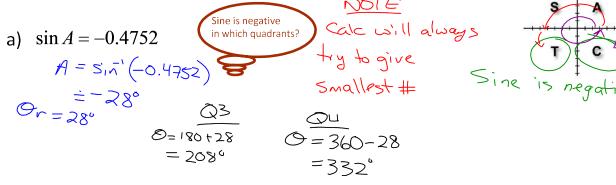




Lesson 4.1B: Angles between 0° and 360° (Day 2)

Determine all angles between 0° and 360° that have the following trig

ratios. Include a diagram.



$$9r = 28^{\circ}$$
 $0 = 180 + 28$
 $= 208^{\circ}$

b)
$$\cos A = \frac{1}{3}$$

$$A = \cos^{-1}(\frac{1}{3})$$

$$= 71^{\circ}$$

$$Q_{1}$$

$$Q_{2}$$

$$Q_{3}$$

$$Q_{4}$$

$$Q_{5}$$

$$Q_{7}$$

$$Q_{7}$$

$$Q_{8}$$

$$Q_{7}$$

$$Q_{8}$$

$$Q_{8}$$

$$Q_{8}$$

$$Q_{8}$$

$$Q_{8}$$

$$Q_{8}$$

c)
$$\tan \theta = -2$$
.

$$O = \tan^{-1}(-2.14)$$

= -650

c)
$$\tan \theta = -2.14$$

$$0 = -65^{\circ}$$

$$0_{r} = 65^{\circ}$$

$$0 = 180 - 65^{\circ}$$

$$0 = 360 - 65$$

$$= 115^{\circ}$$

$$= 295^{\circ}$$

Ex. 2: If $\cos \theta = -\frac{3}{\sqrt{17}}$ where $90^{\circ} < \theta < 180^{\circ}$, determine $\sin \theta$ and $\tan \theta$.

