

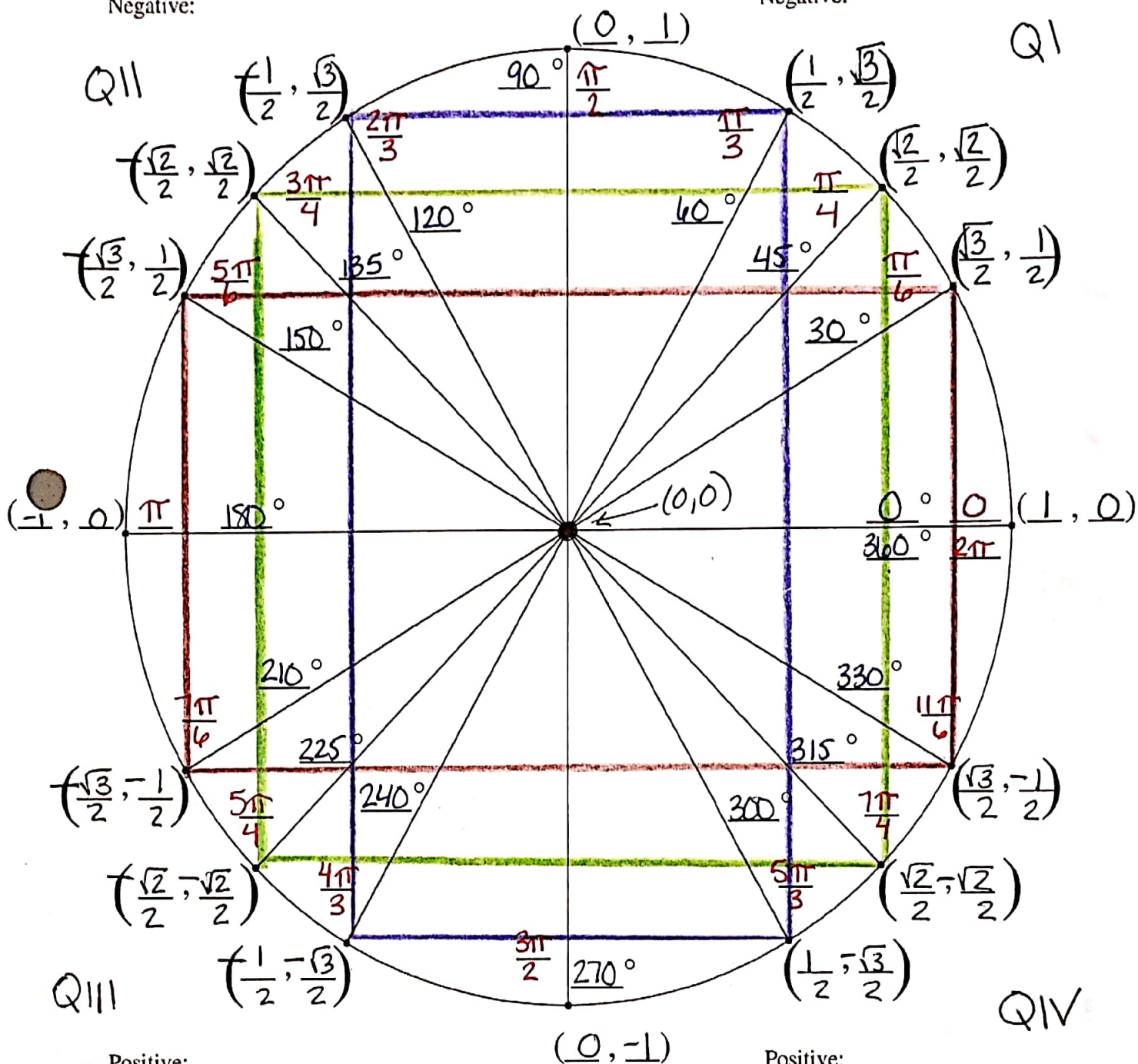
April 25

center: (0,0)
radius: 1

Fill in The Unit Circle

Positive:
Negative:

Positive:
Negative:



EmbeddedMath.com

Exact Values of ^{sin}Sine and ^{cos}Cosine



On Unit Circle:

x-coordinates = cosine values

y-coordinates = sine values

$$\text{(Ex1)} \cos 60^\circ = \boxed{\frac{1}{2}}$$

Step 1: Find angle inside circle.

Step 2: Find coordinate outside circle.

$$\text{(Ex2)} \sin \frac{7\pi}{4} = \boxed{-\frac{\sqrt{2}}{2}}$$

$$\text{(Ex3)} \sin 480^\circ = \boxed{\frac{\sqrt{3}}{2}}$$

$480 - 360 = 120^\circ$ ← use coterminal angle.

$$\text{(Ex4)} \cos -3\pi = \boxed{-1}$$

$$-3\pi + 2\pi = -\pi + 2\pi = \pi$$