

The Unit Circle: a circle with radius 1.

Tips to Fill in the Unit Circle!

① Fill out the degrees, radians, and ordered pairs along our axes! $(0, 90, 180, 270, 360)$
 $(0, \frac{\pi}{2}, \pi, \frac{3\pi}{2}, 2\pi)$

② Find the remaining angles!
→ big gap (+30)
→ small gap (+15)

③ Convert Angles to Radians!

- Divide by 180
- Simplify fraction
- Slap π on top

$$\frac{\text{angle } \pi}{180}$$

④ Fill in ordered pairs

* Left Hand

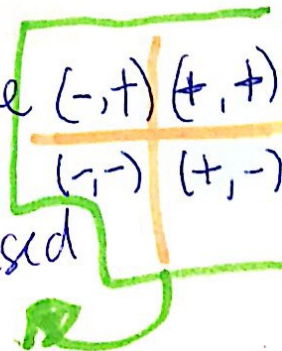


- put finger down for corresponding angle!
- Top (by your pinky) represents x
- Bottom (by your thumb) represents y
- put values in this for $\frac{\sqrt{\#}}{2}$, then simplify!

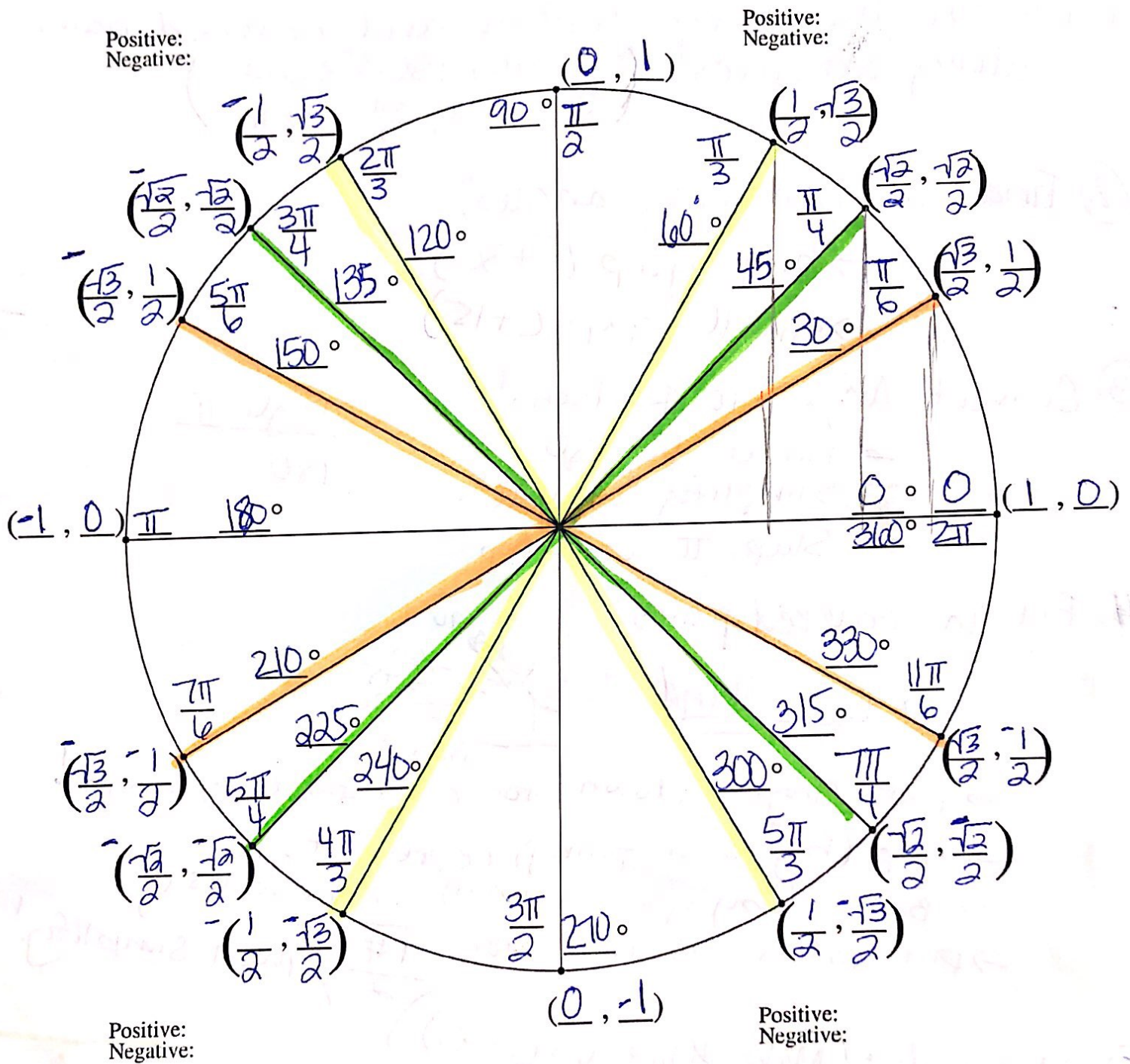
⑤ Color Code: (Make those V's (or X's))

lines with the same color, will have the $(-, +)$ $(+, +)$
same ordered pairs.
 $(-, -)$ $(+, -)$

* all we need to do is change signs based on coordinate plane.



Fill in The Unit Circle



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$$(x, y) = (\cosine, sine)$$