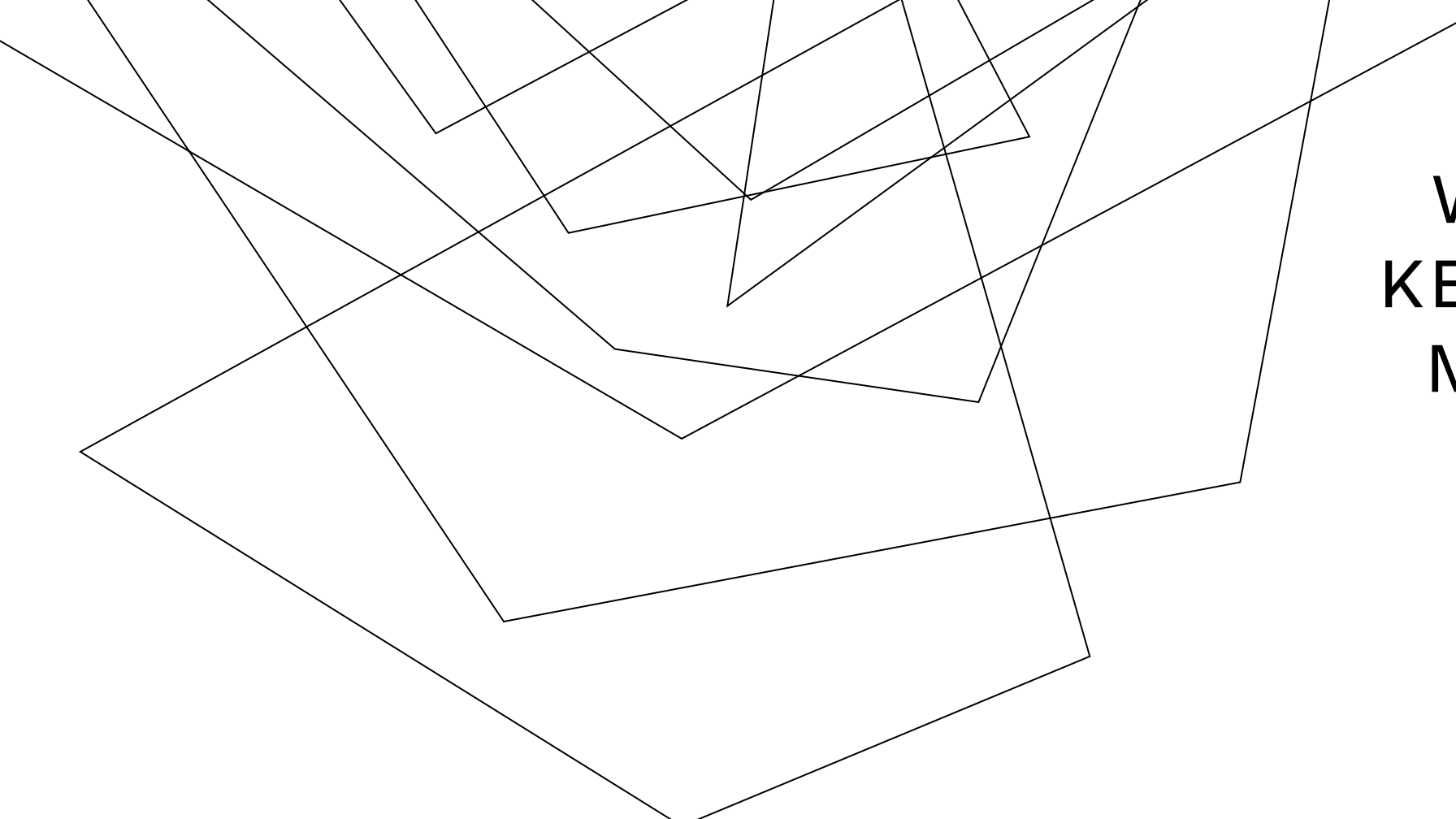


A series of thin, black, overlapping lines forming various geometric shapes like triangles and polygons, creating a complex, abstract pattern in the upper left corner of the slide.

WELCOME TO KEIRA ROBERTS' MATH 2412 SI TEST PREP

Please sign in on the orange sheet at the front,
grab a copy of the worksheet, and get started
on today's warmup by scanning the QR code.



AGENDA

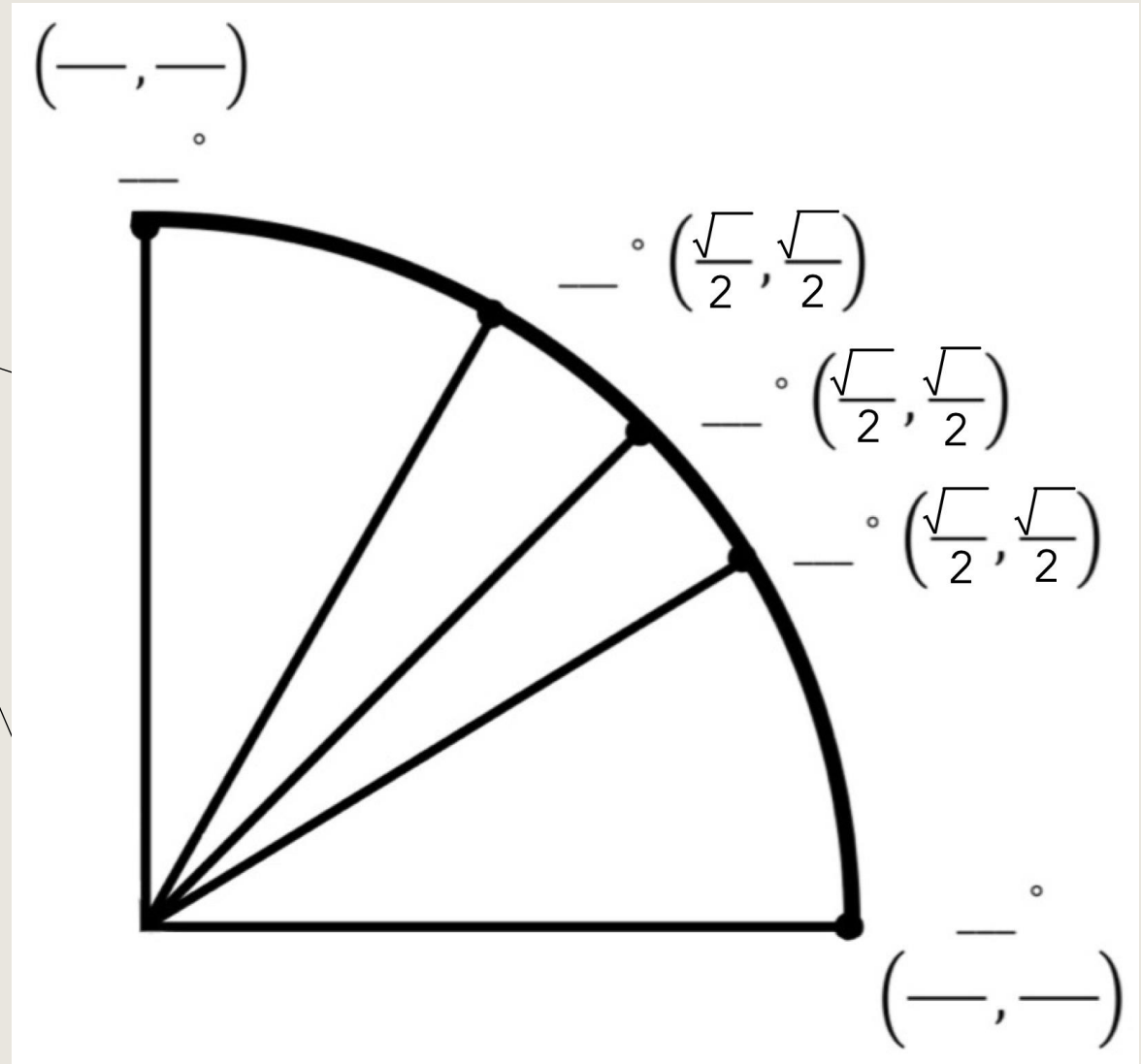
Activity

Worksheet

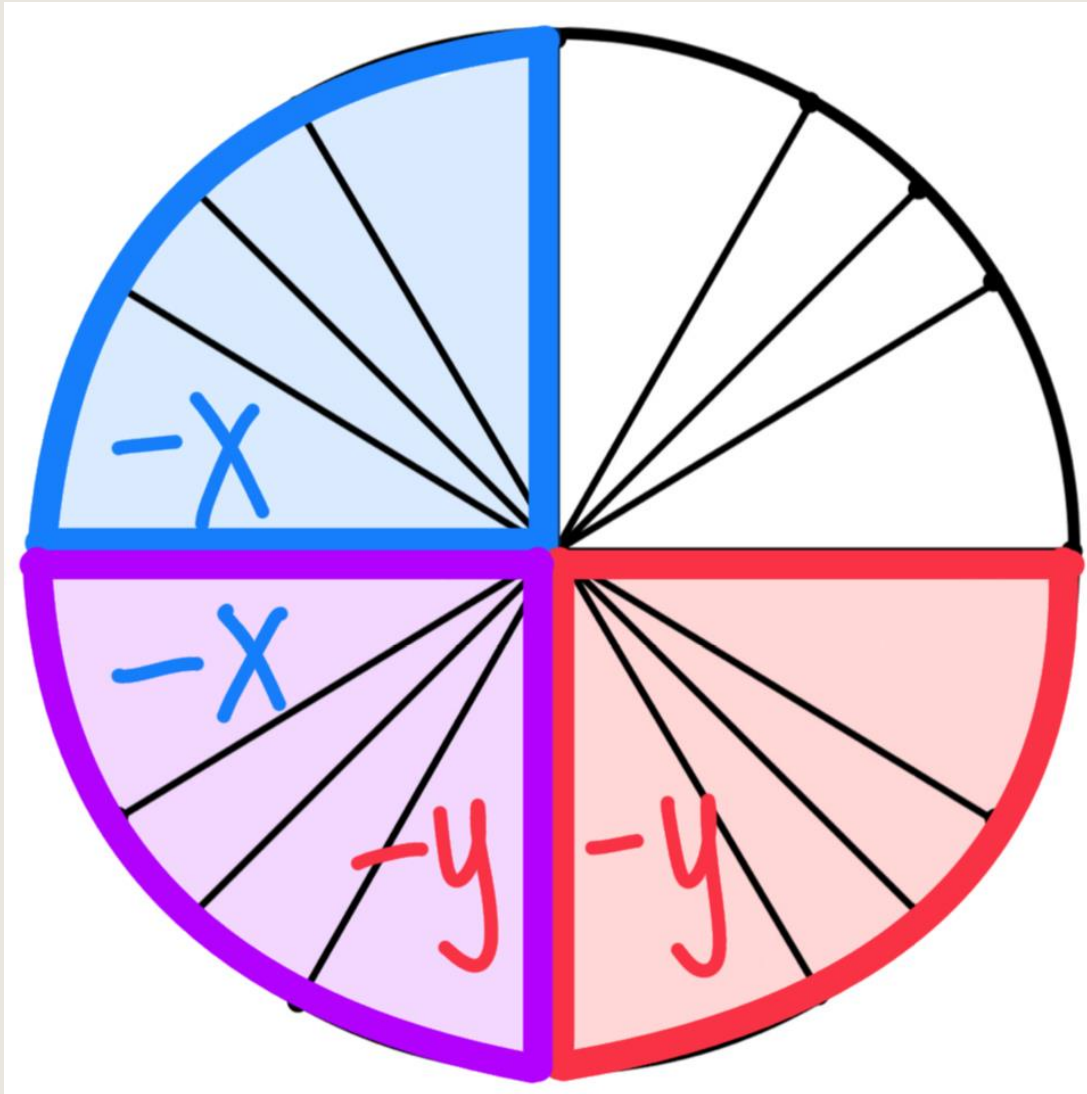
Q & A

Step One: fill in square root over 2

HOW TO:
PROCEDURALLY
FILL
THE UNIT CIRCLE



Step Two: fill in negative signs



Quadrant 1: (x , y)

Quadrant 2: ($-x$, y)

Quadrant 3: ($-x$, $-y$)

Quadrant 4: (x , $-y$)

$$\left(\frac{0}{-}, \frac{1}{-}\right)$$

—
°

$$\text{—} \circ \left(\frac{\sqrt{-}}{2}, \frac{\sqrt{-}}{2}\right)$$

$$\text{—} \circ \left(\frac{\sqrt{-}}{2}, \frac{\sqrt{-}}{2}\right)$$

$$\text{—} \circ \left(\frac{\sqrt{-}}{2}, \frac{\sqrt{-}}{2}\right)$$

$$\left(\frac{1}{-}, \frac{0}{-}\right)$$

Step Three: fill in

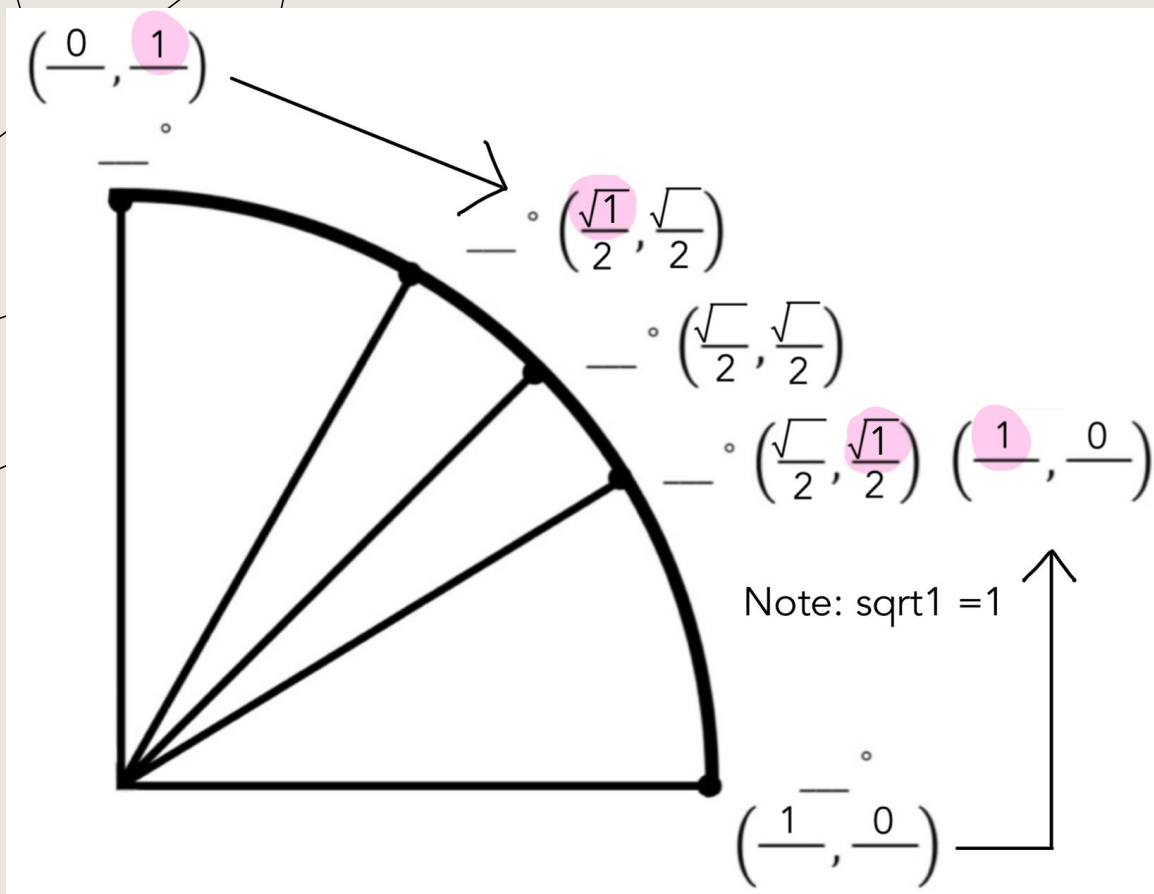
[1, 0]

[-1, 0]

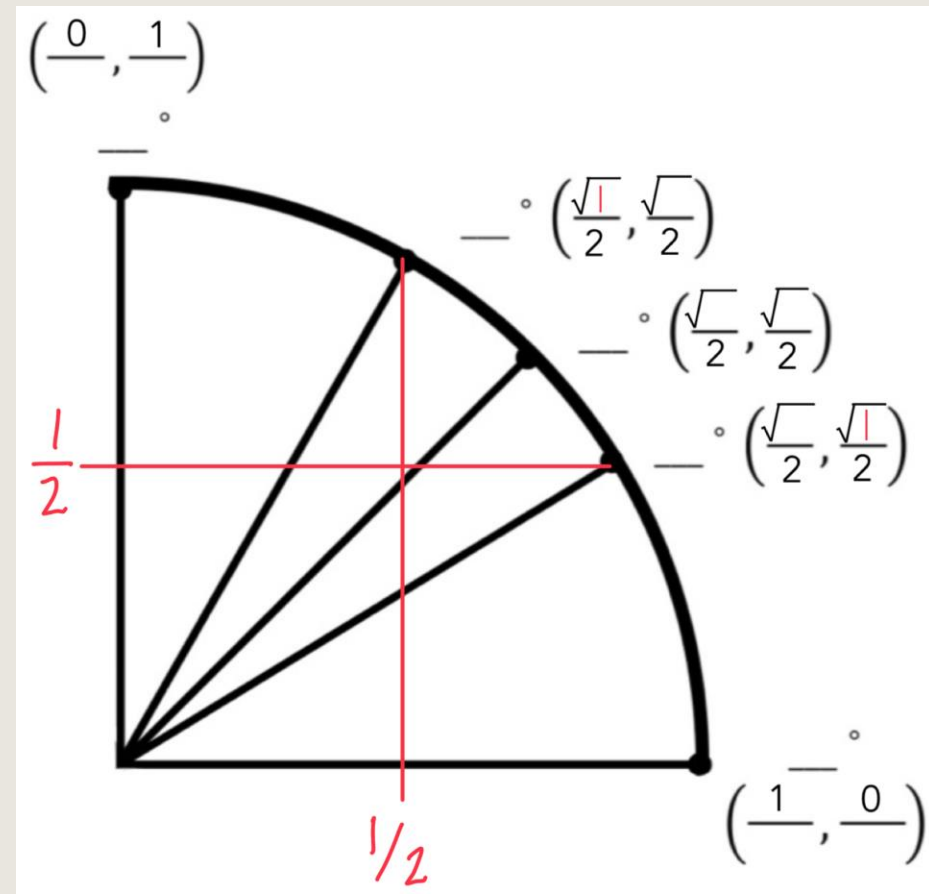
[0, 1]

[0,-1]

Step Four: 2 options to fill in 1's



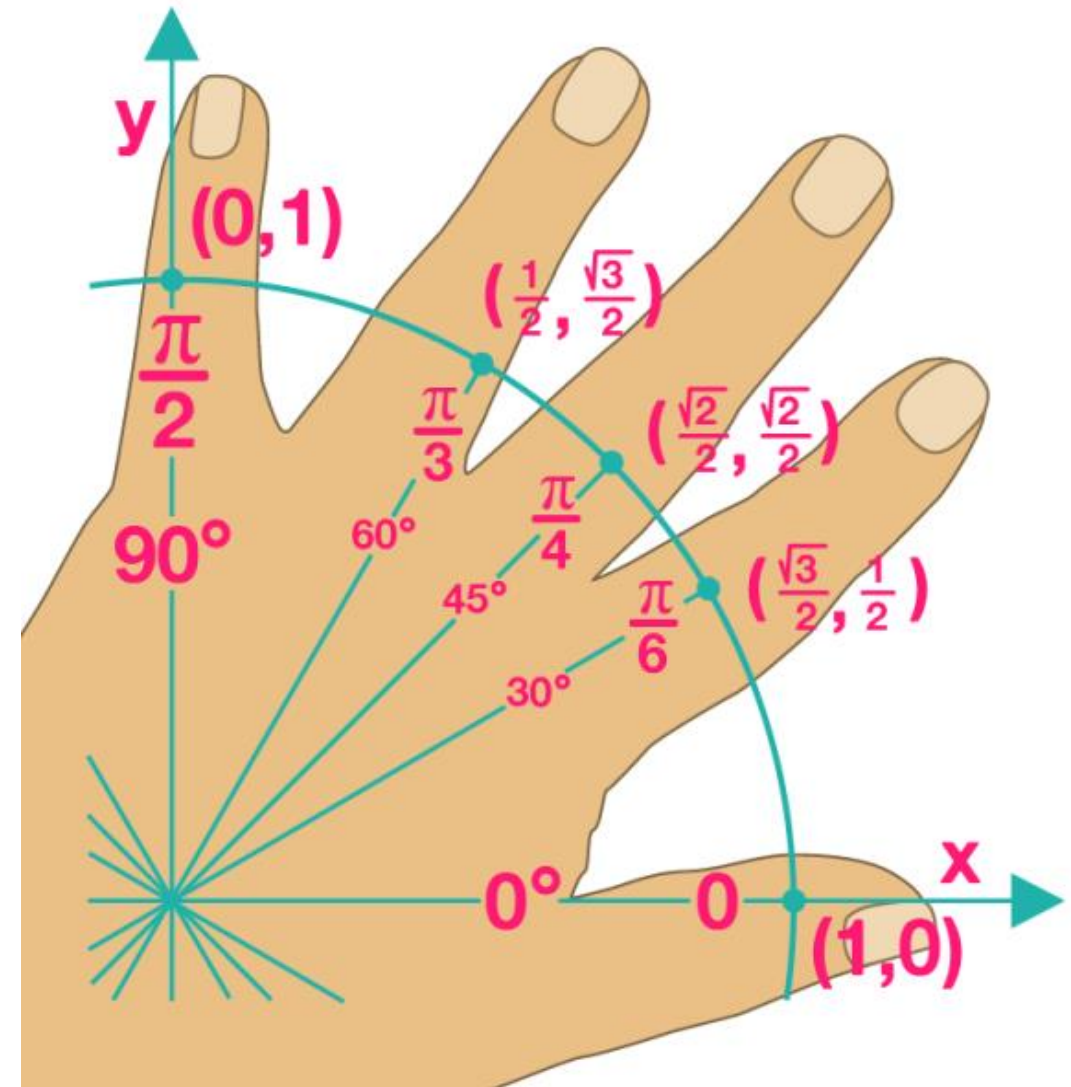
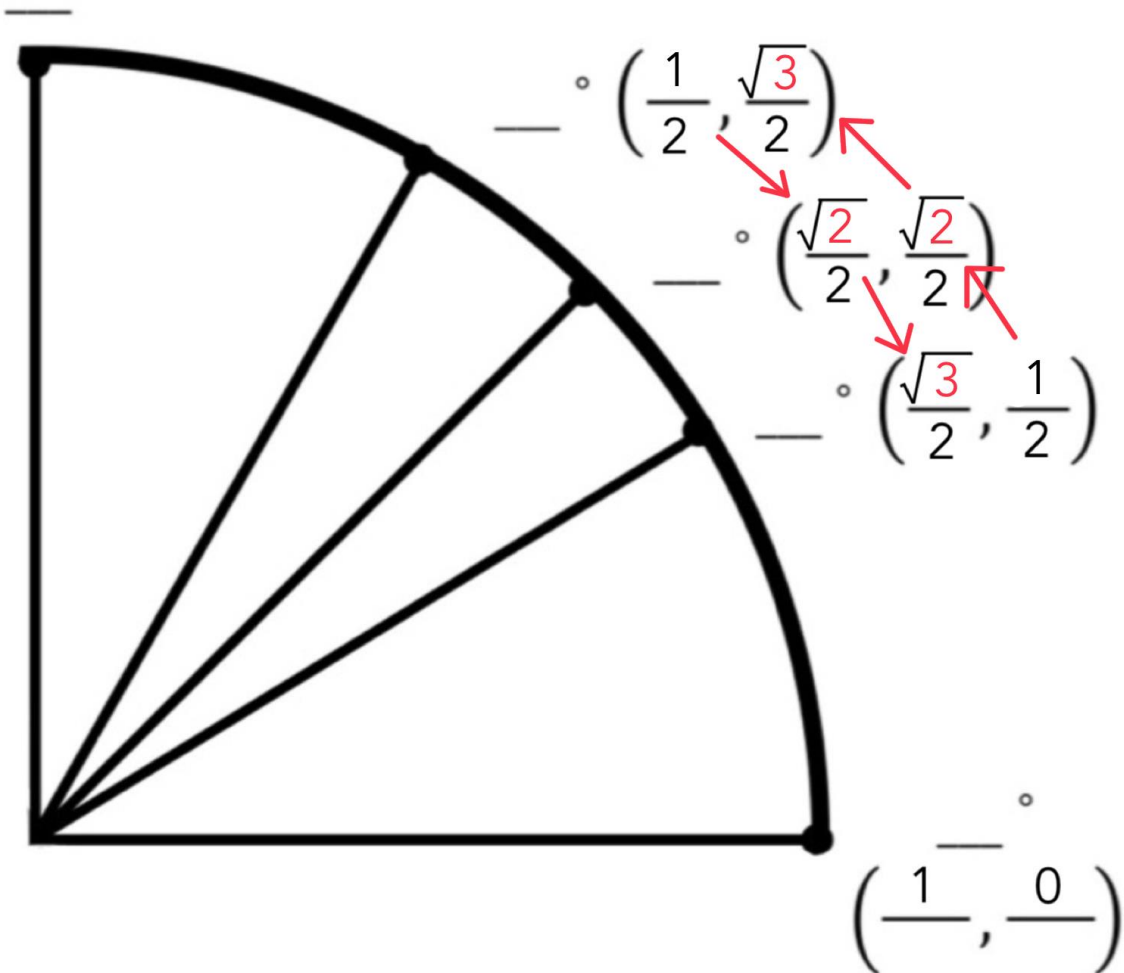
Option A: pair up 1's



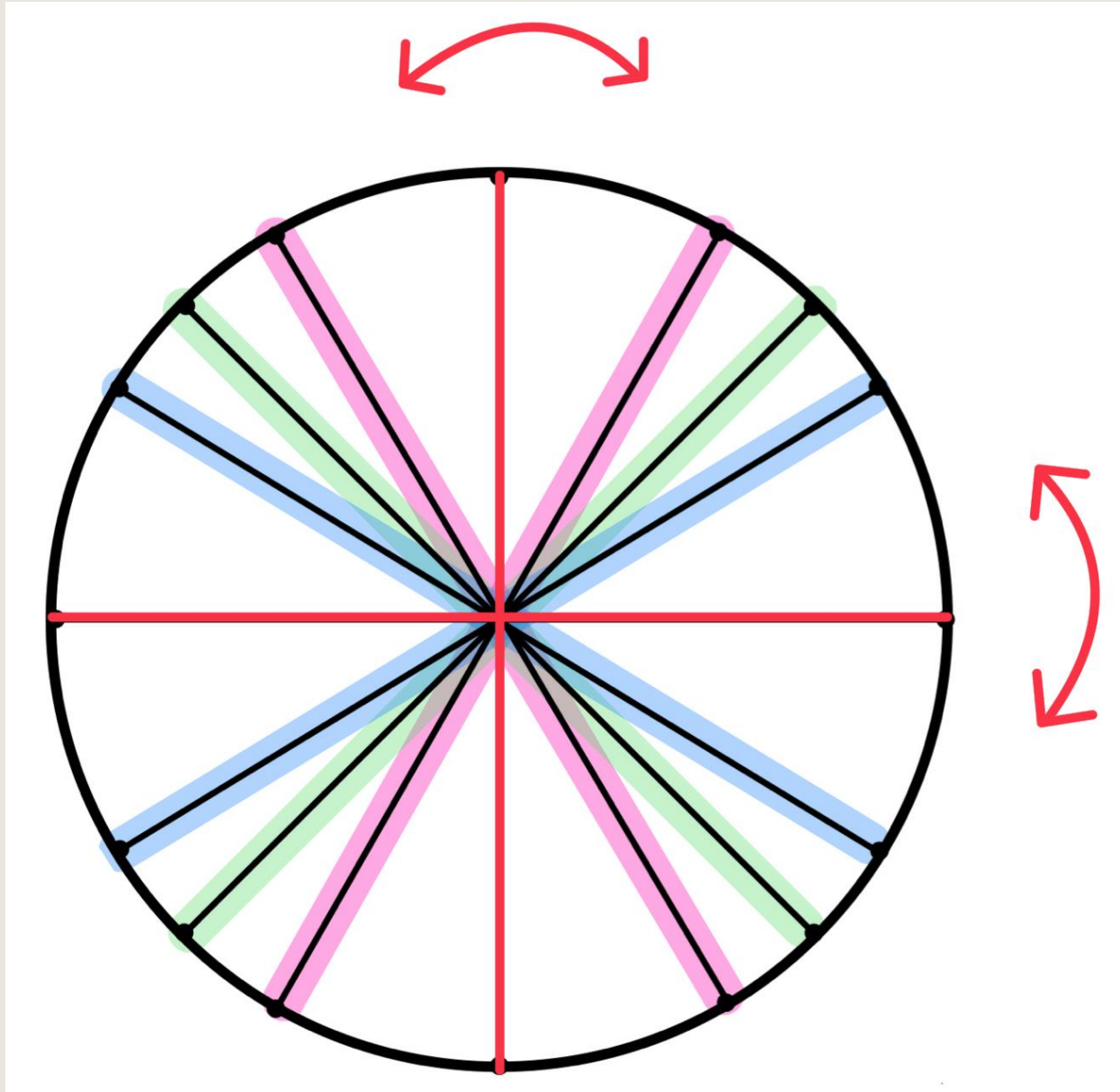
Option B: approximate $\frac{1}{2}$'s

Step Five: 1 -> 2 -> 3

$$\left(\frac{0}{-}, \frac{1}{-}\right)$$

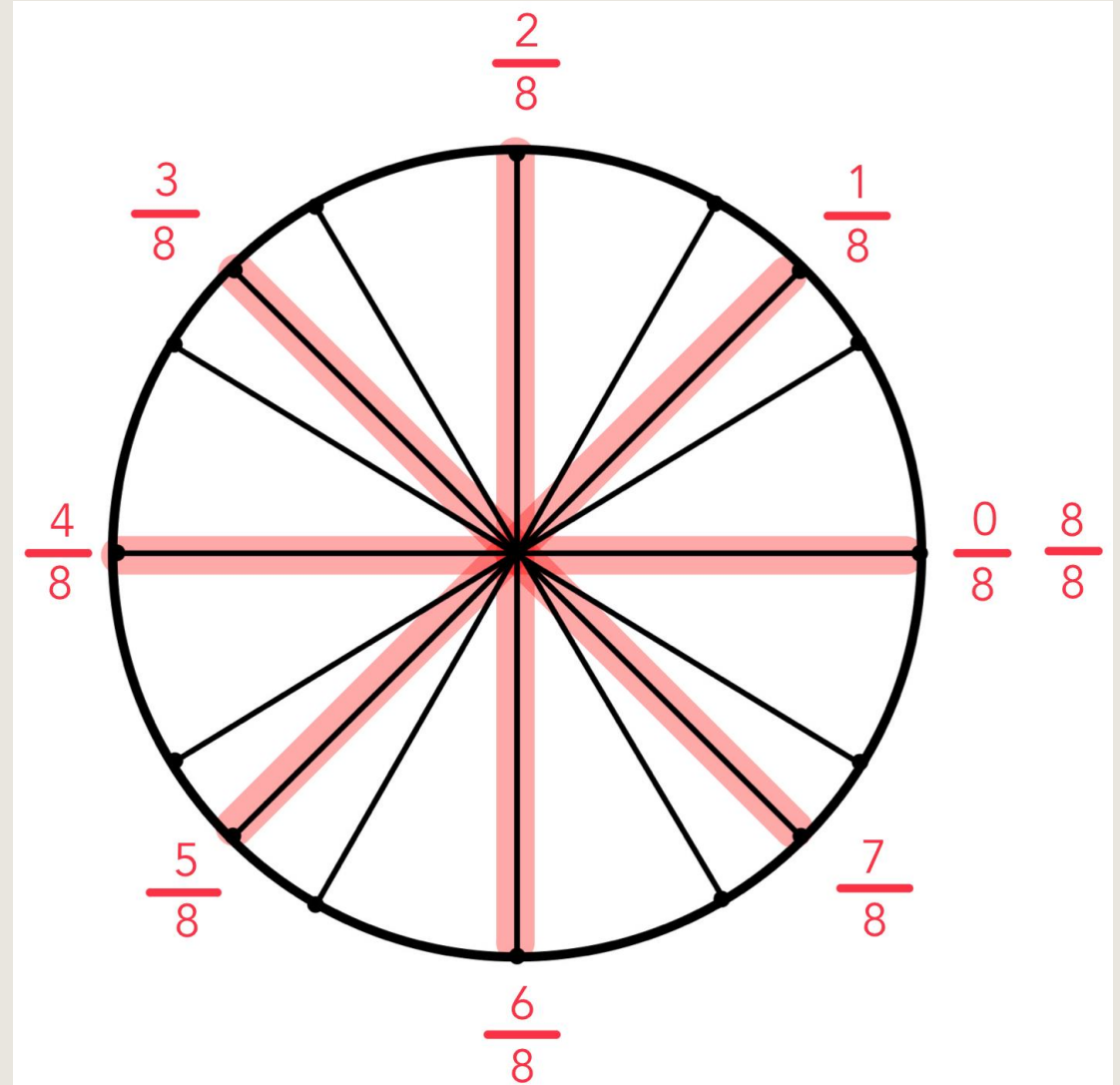
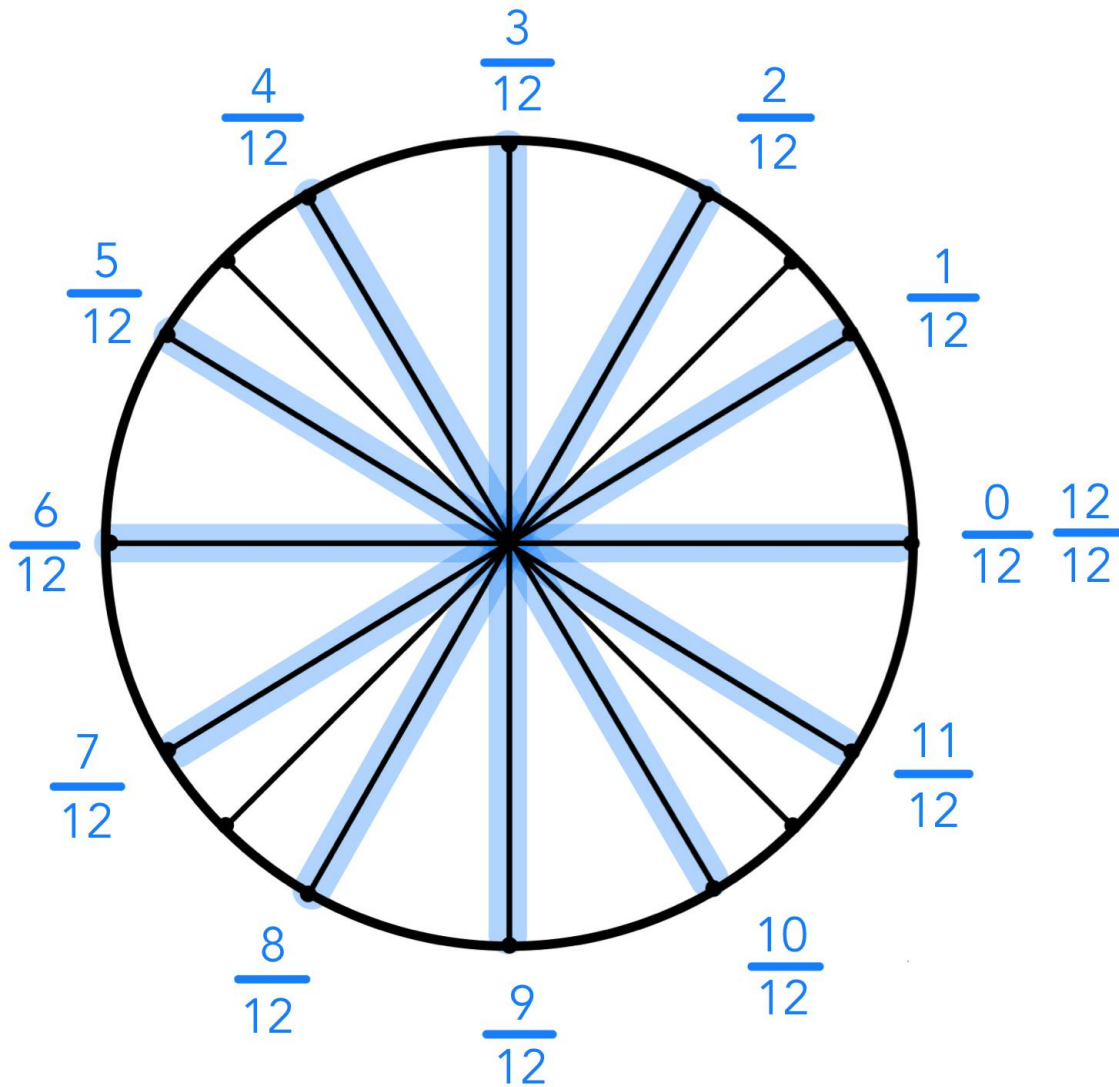


Or, use the left hand rule

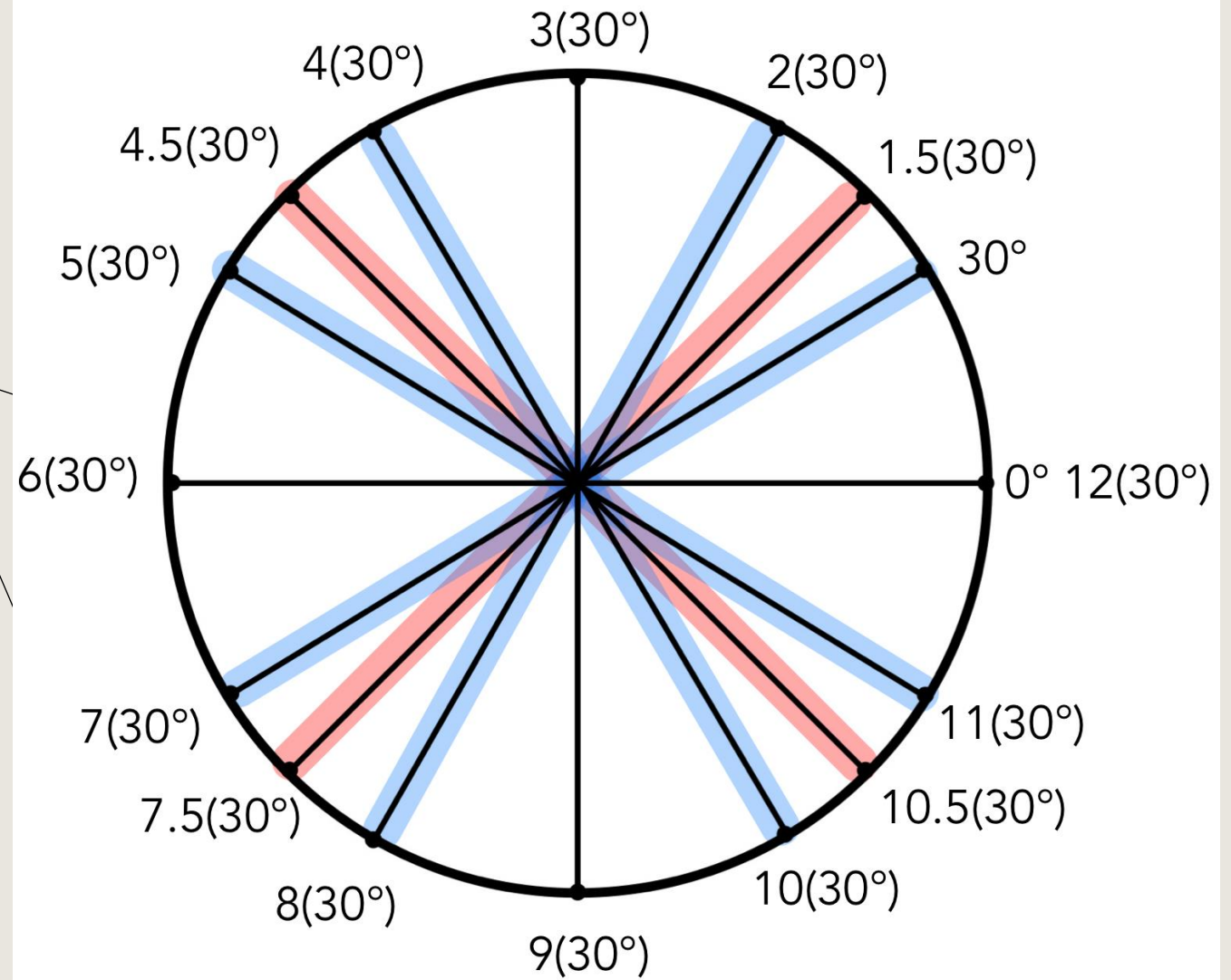


**Step Six: mirror
across the axes**

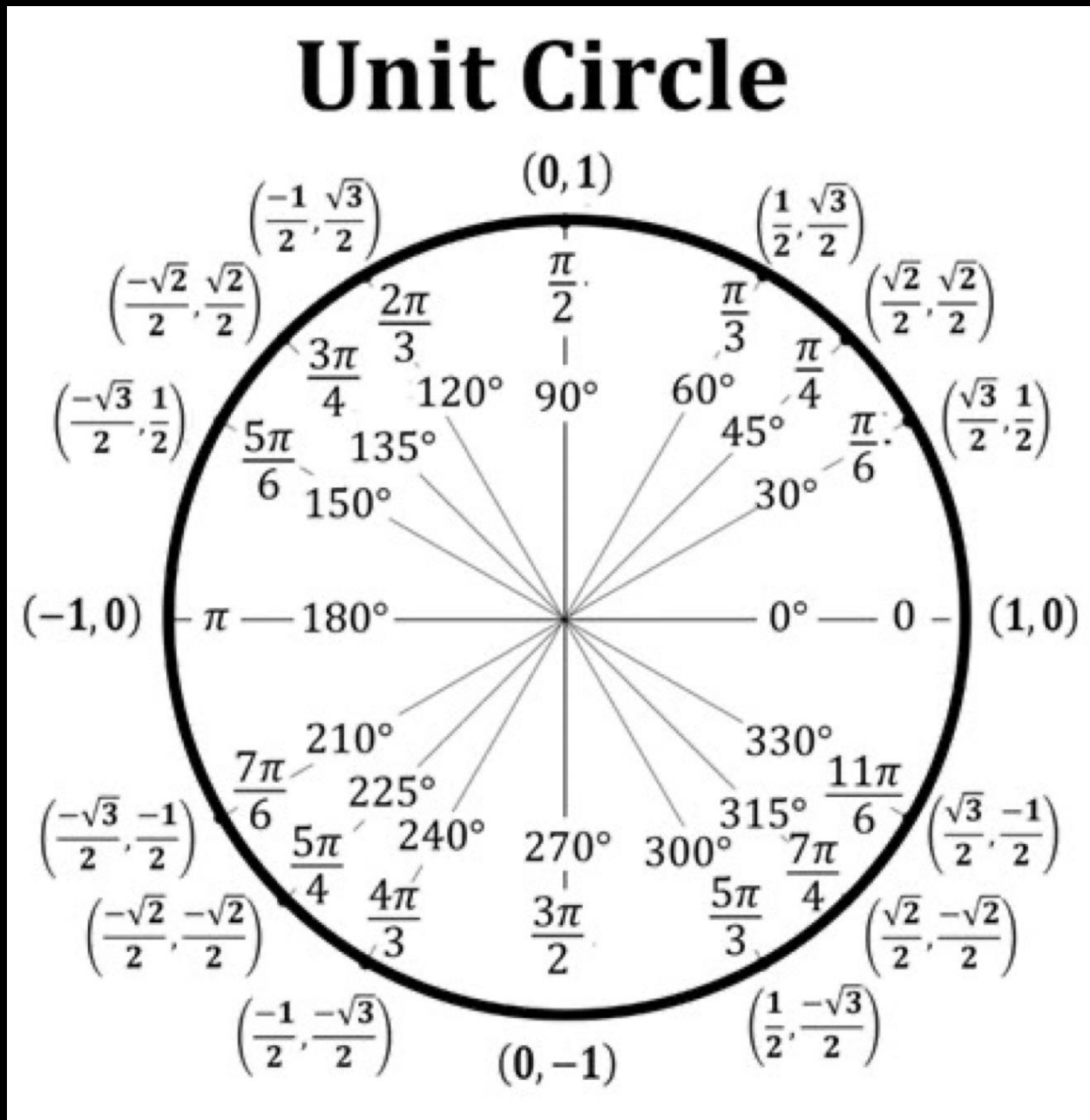
Step Seven: multiply 2π to find angles



**Step Eight: multiply
30 deg. to find angles**

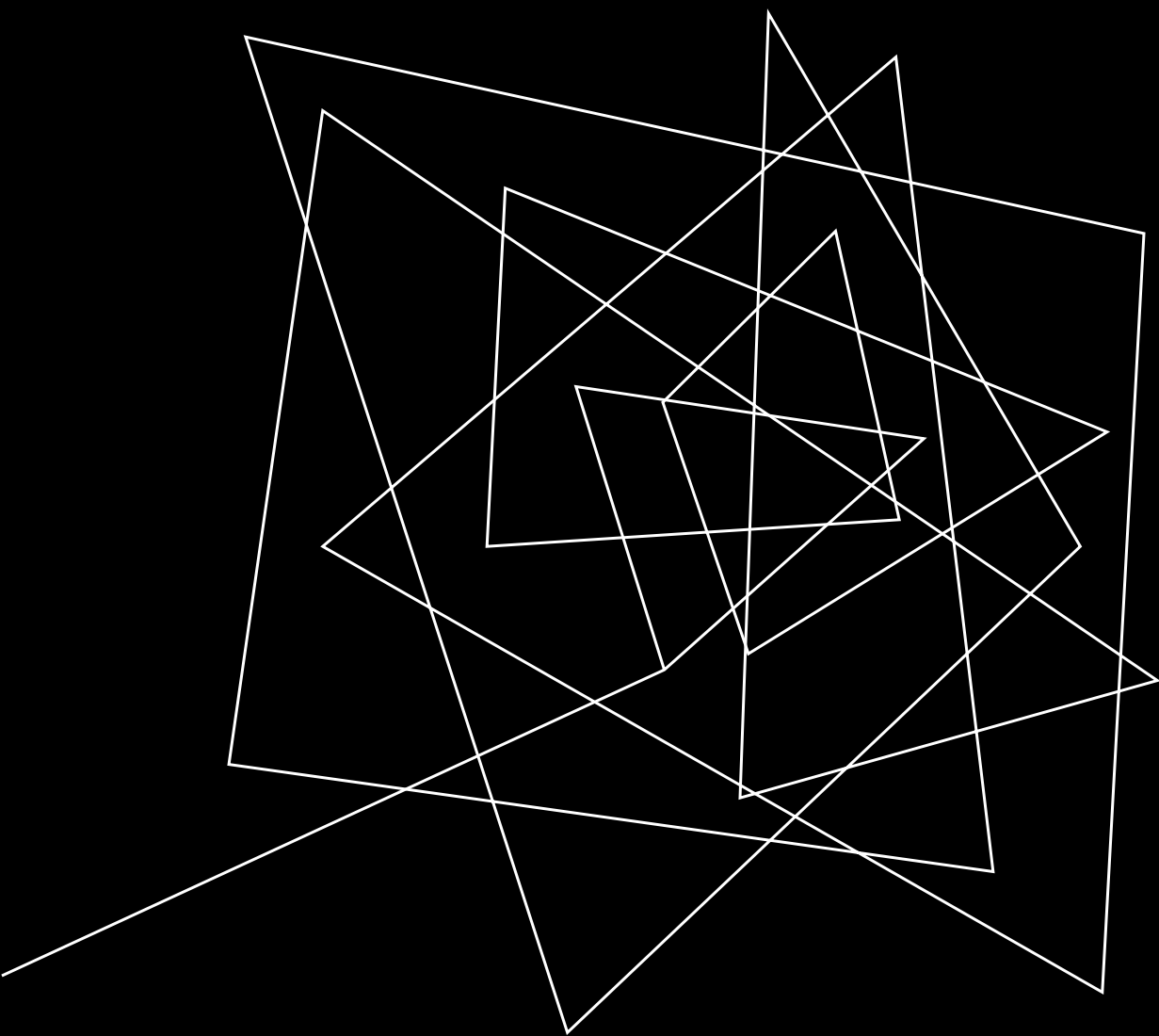


Done!



The image features a minimalist design with thin, dark grey lines in the top-left and top-right corners. In the top-left, a single diagonal line extends from the corner towards the center. In the top-right, a horizontal line and a diagonal line intersect, forming a cross-like shape that also extends towards the center.

WORKSHEET



ANY QUESTIONS?



THANK YOU FOR COMING!

OTHER TEST PREPS:

SOPHIA MON 7-9 MATH 109

CYDNI TUE 6-8 GRANT 113

REMEMBER TO EAT, HYDRATE, REST, AND
RELAX. GOOD LUCK AND STUDY HARD!