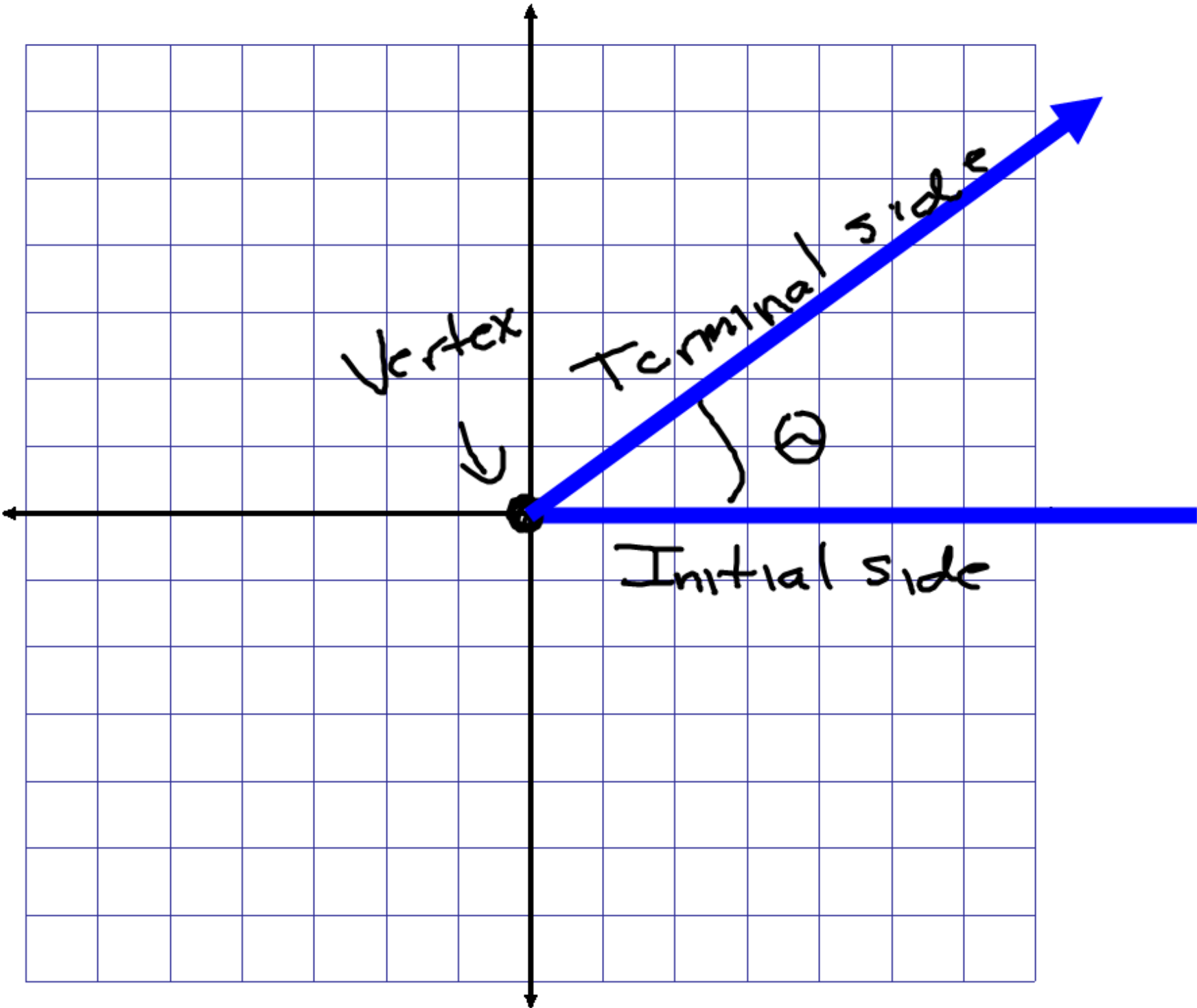
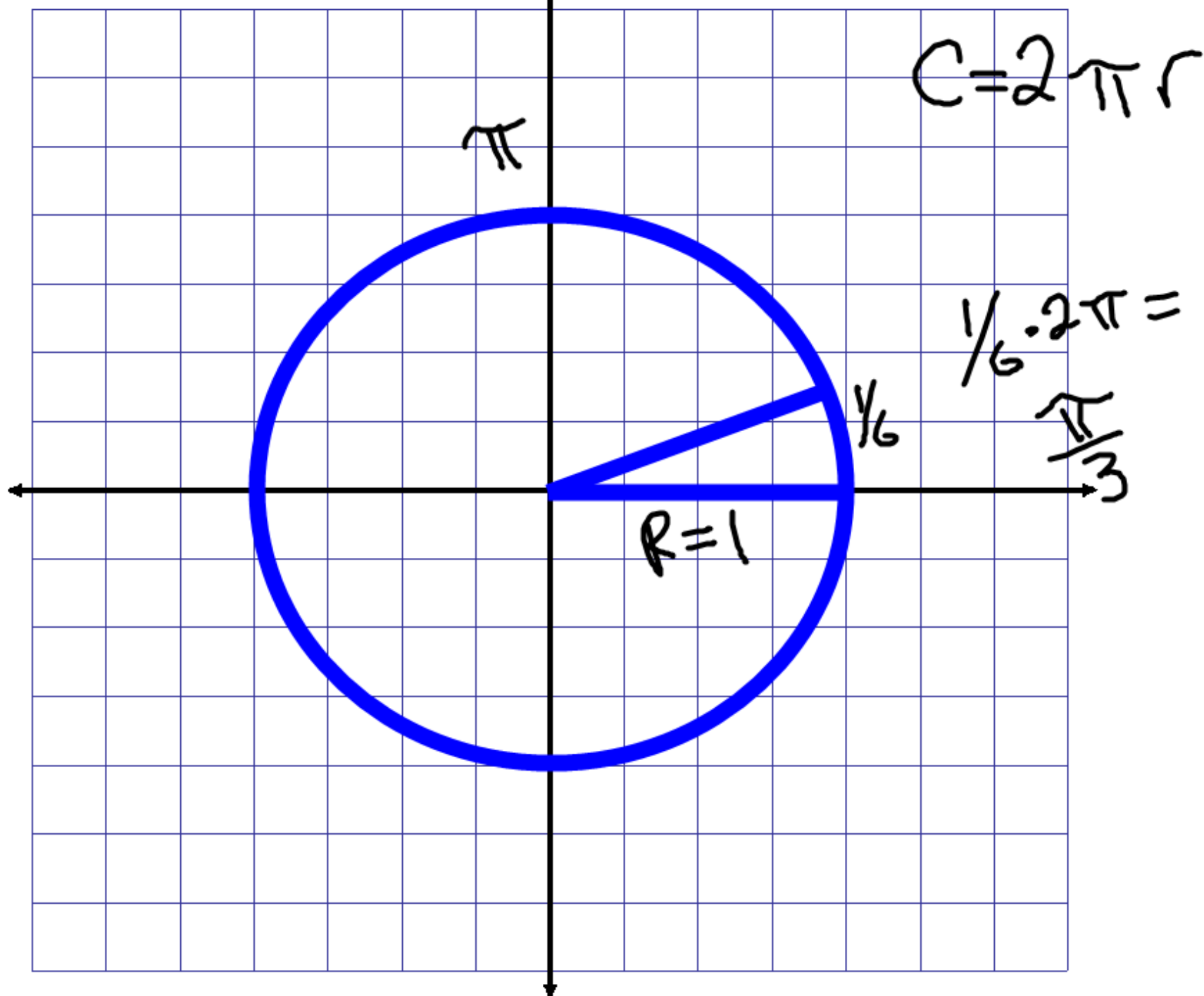


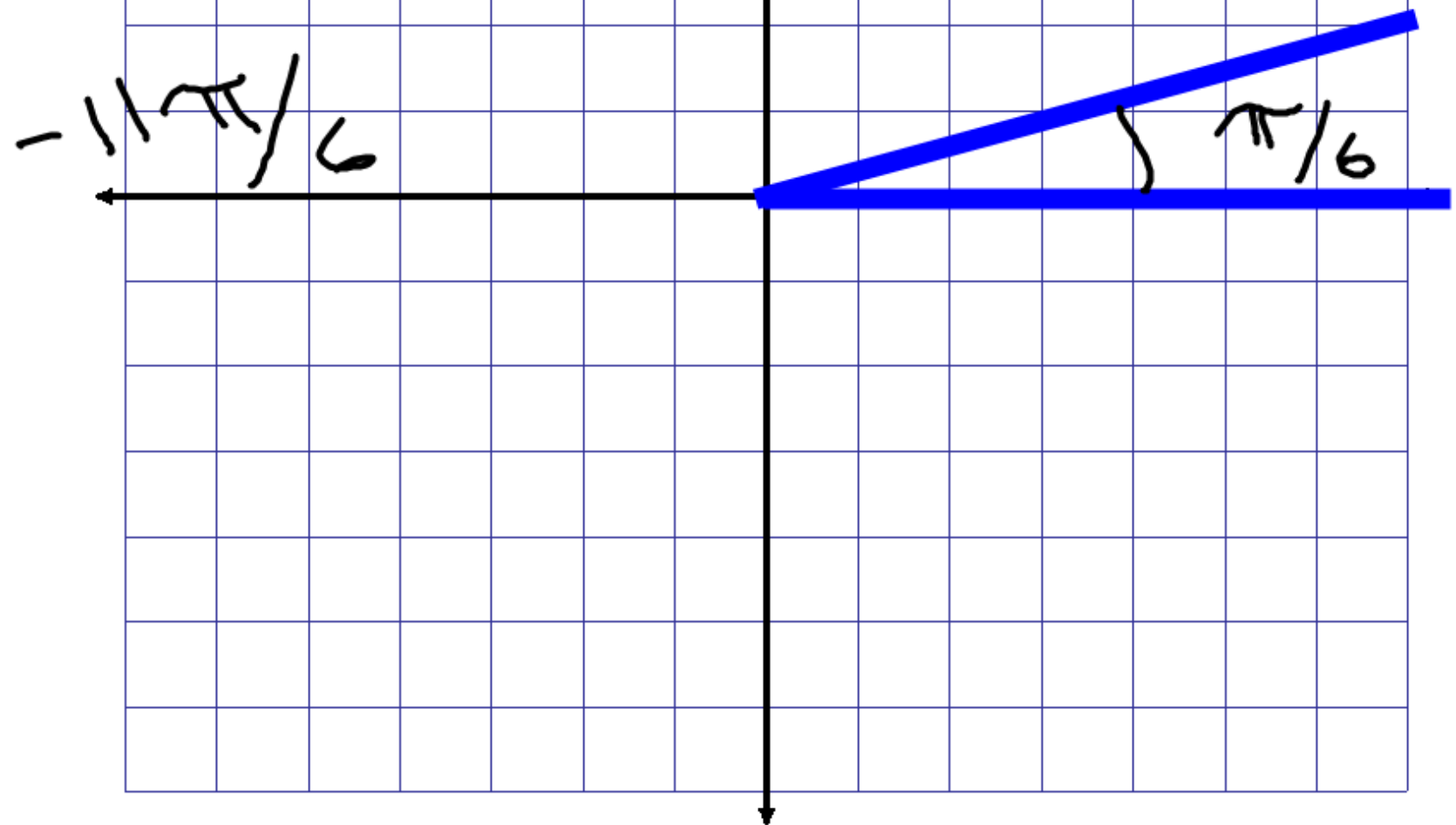
# Trigonometry



# Radian Measurement



Graph  
 $\pi/6 = 13\pi/6 = 25\pi/6$   
Coterminal  
Angles



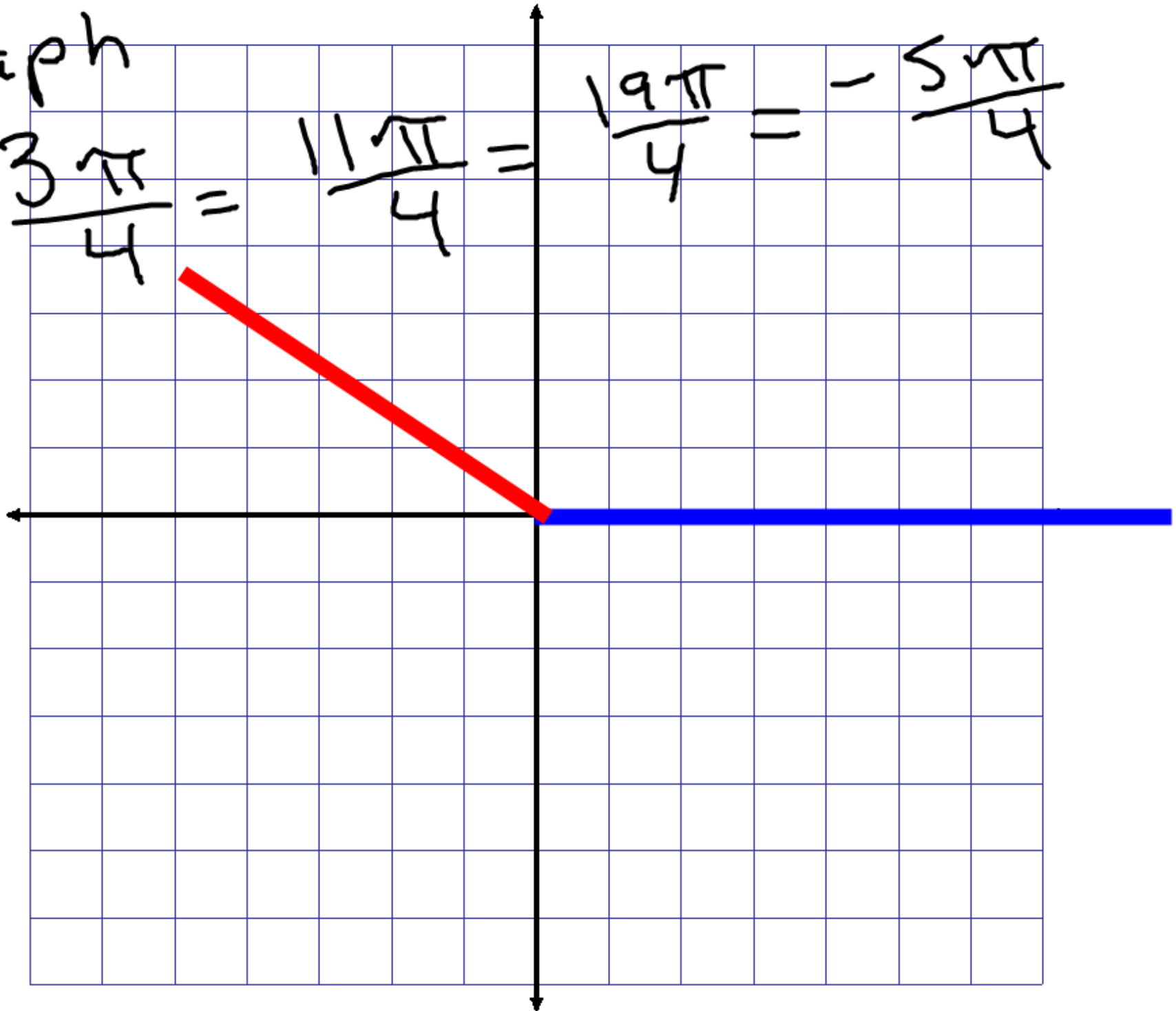
graph

$$\frac{3\pi}{4} =$$

$$\frac{11\pi}{4} =$$

$$\frac{19\pi}{4} =$$

$$-\frac{5\pi}{4}$$



Supplementary and  
complementary  
angles

$$\text{Comp} \rightarrow \frac{\pi}{2}$$

$$\text{Suplem} \rightarrow \pi$$

$$\frac{2\pi}{5}$$

$$\frac{1}{2} - \frac{2}{\sqrt{2}} = \frac{5}{10} - \frac{4}{10} = \frac{1}{10}$$

$$C \rightarrow \frac{2\pi}{5} + X = \frac{\pi}{2}$$
$$X = \frac{\pi}{10}$$

$$S \rightarrow \frac{2\pi}{\sqrt{2}} + X = \pi$$
$$X = \frac{3\pi}{\sqrt{2}}$$

$$\frac{4}{5}x$$

$$\frac{4}{5}x + \frac{1}{5}x = 1x$$

$$8 =$$

$$\frac{4}{5}x$$

# Convert Degrees to Radians

$$\frac{90}{360} = \frac{1}{4} \cdot 2\pi = \frac{\pi}{2}$$

$$\frac{X}{360} \cdot 2\pi = \frac{2\pi X}{360}$$

$$= \boxed{X \cdot \frac{\pi}{180}}$$

Convert Radians to Degrees

$$\frac{3\pi}{4} \cdot \frac{1}{2\pi} = \frac{3}{8} \cdot 360$$
$$= 135^\circ$$

$$\frac{360}{2\pi} = \boxed{\frac{180}{\pi} \cdot x}$$

Homework

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# 5, 7, 13, 15,

53-63 odd