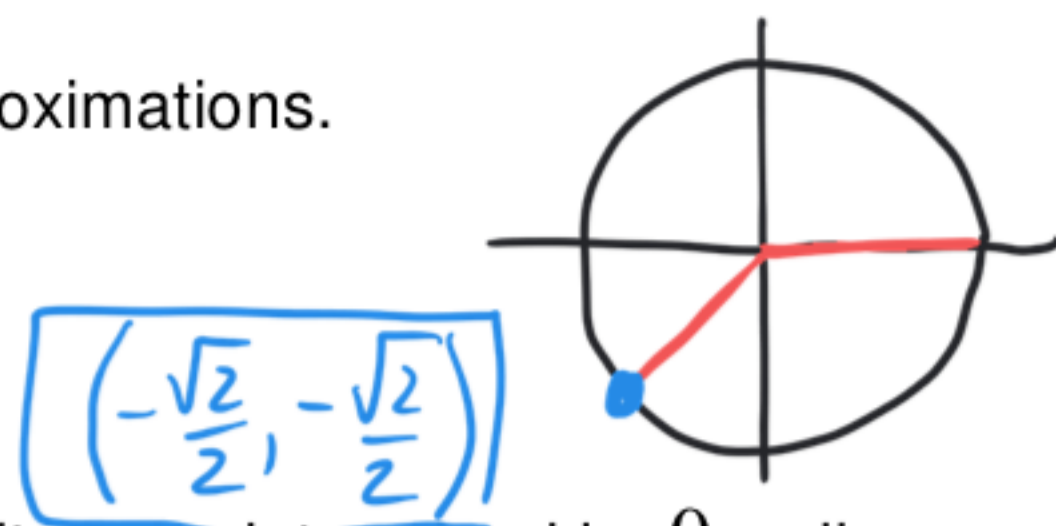


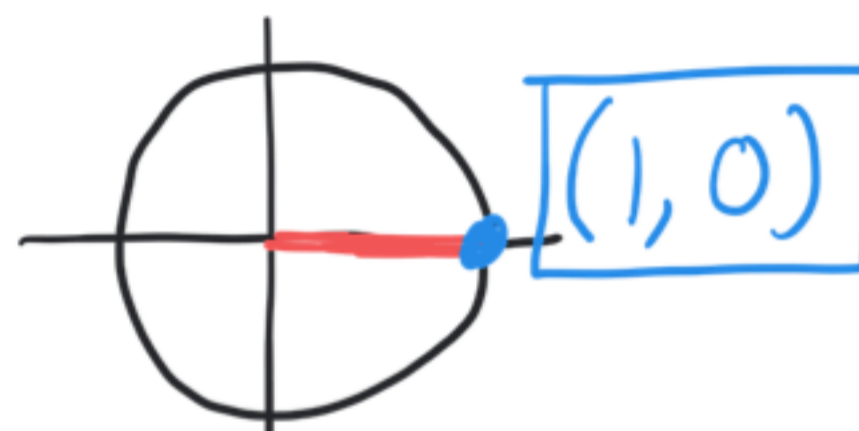
1. Find the terminal point on the unit circle determined by $\frac{5\pi}{4}$ radians.

Use exact values, not decimal approximations.



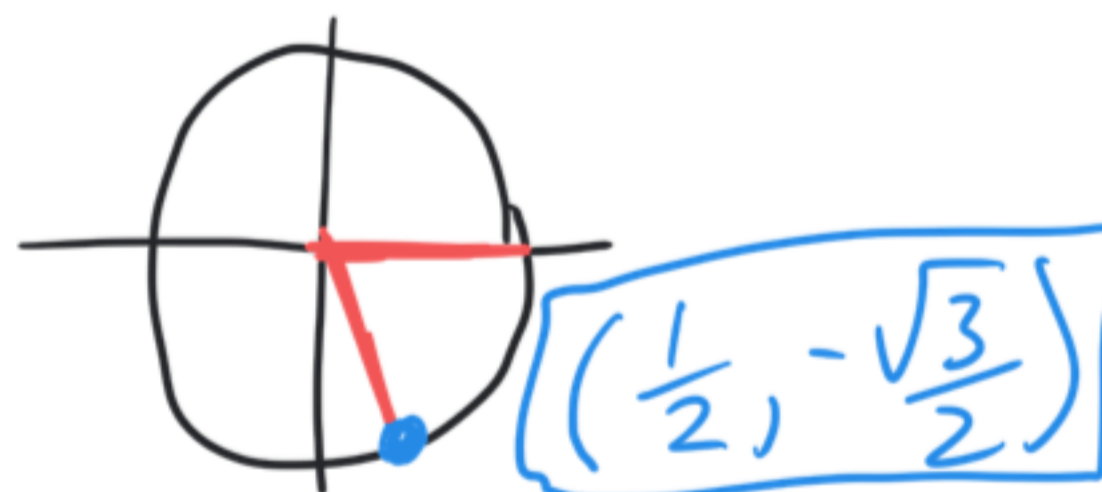
2. Find the terminal point on the unit circle determined by 0 radians.

Use exact values, not decimal approximations.

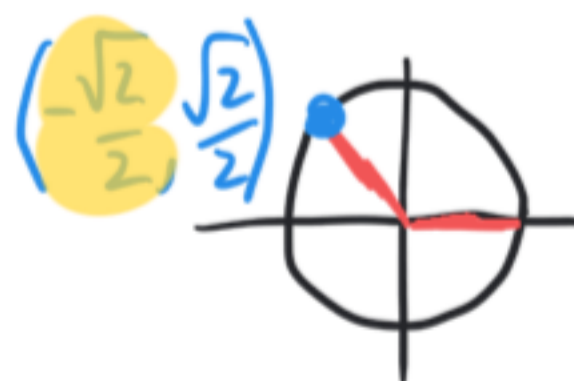


3. Find the terminal point on the unit circle determined by $\frac{5\pi}{3}$ radians.

Use exact values, not decimal approximations.



4. Find the exact value of $\cos\left(-\frac{5\pi}{4}\right)$.



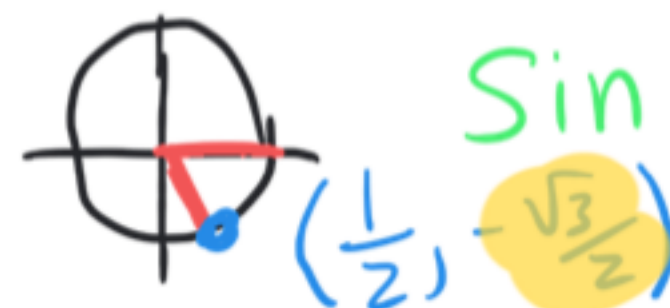
$$\cos\left(-\frac{5\pi}{4}\right) = \boxed{-\frac{\sqrt{2}}{2}}$$

5. Find the exact value of $\sin 360^\circ$.



$$\sin 360^\circ = \boxed{0}$$

6. Find the exact value of $\sin\frac{5\pi}{3}$.

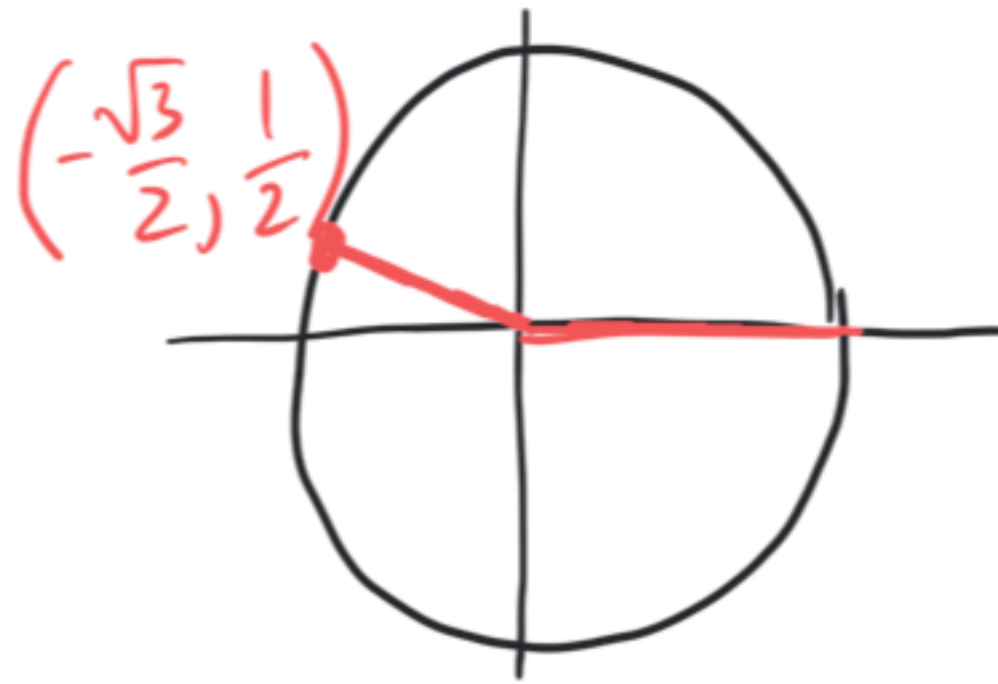


$$\sin\left(\frac{5\pi}{3}\right) = \boxed{-\frac{\sqrt{3}}{2}}$$

7. Find the exact values below.

$$\csc 150^\circ$$

$$\cot 150^\circ$$



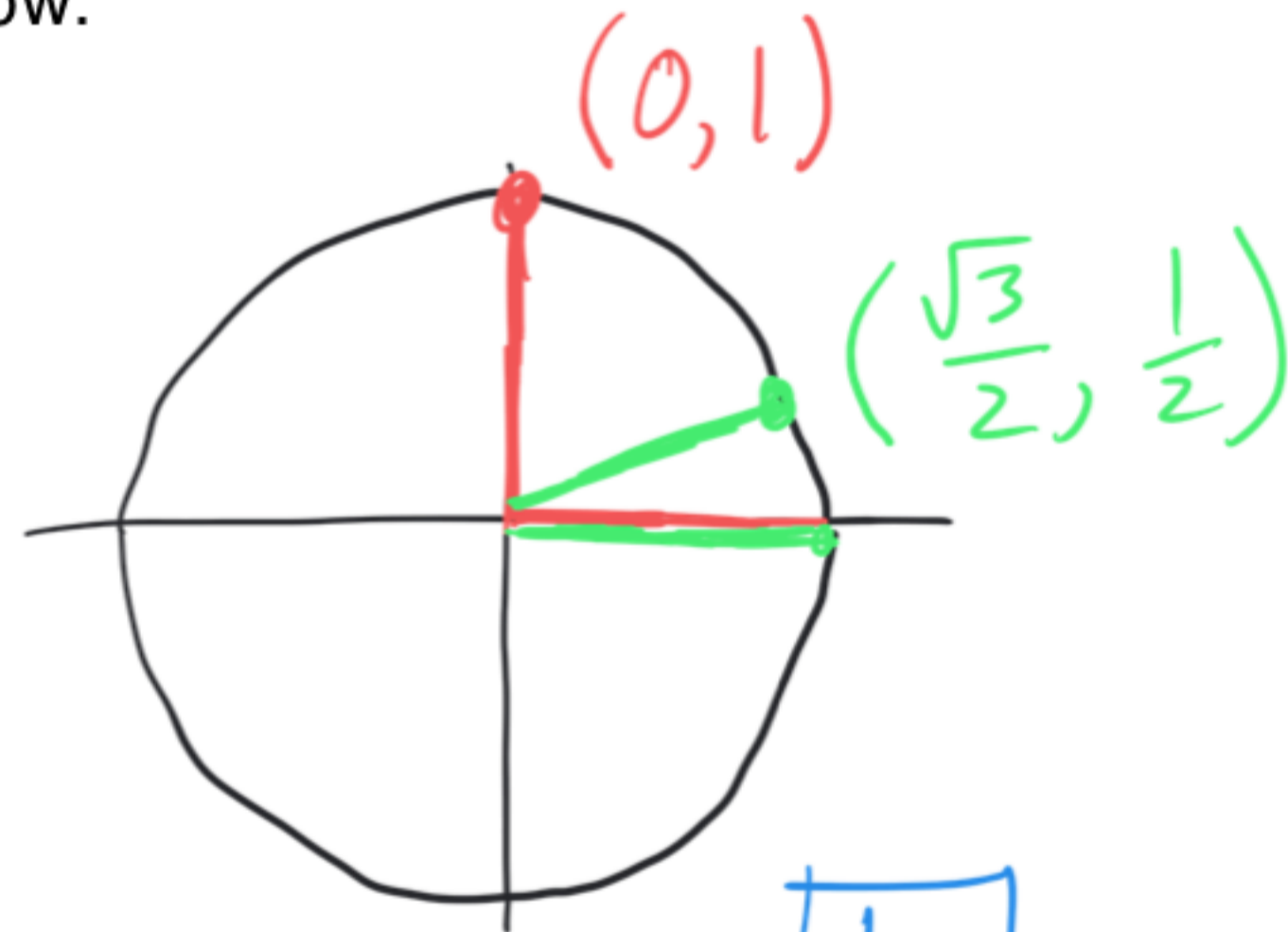
$$\csc 150^\circ = \frac{1}{y} = \frac{1}{\frac{1}{2}} = 1 \cdot \frac{2}{1} = \boxed{2}$$

$$\cot 150^\circ = \frac{x}{y} = \frac{-\frac{\sqrt{3}}{2}}{\frac{1}{2}} = -\frac{\sqrt{3}}{2} \cdot \frac{2}{1} = -\frac{\sqrt{3}}{1} = \boxed{-\sqrt{3}}$$

8. Find the exact values below.

$$\sin 750^\circ$$

$$\sec\left(-\frac{3\pi}{2}\right)$$



$$\sin 750^\circ = \sin 30^\circ = y = \boxed{\frac{1}{2}}$$

$$\sec\left(-\frac{3\pi}{2}\right) = \sec\left(\frac{\pi}{2}\right) = \frac{1}{x} = \frac{1}{0} = \boxed{\text{undefined}}$$