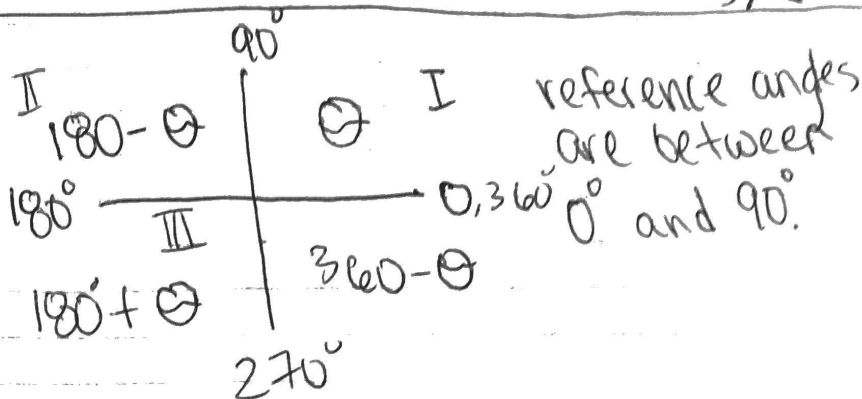


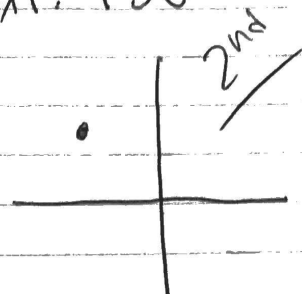
LTPASa

How do I identify the reference angle?

3/6



Ex1: 150°

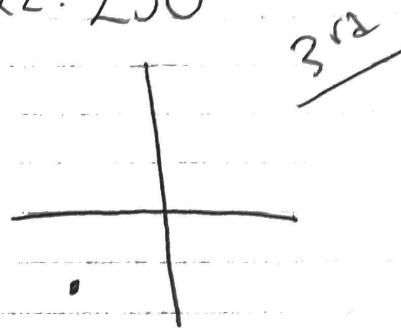


$$180 - \theta = 150^\circ$$

$$180 - 150^\circ = \theta$$

$$30^\circ = \theta$$

Ex2: 230°

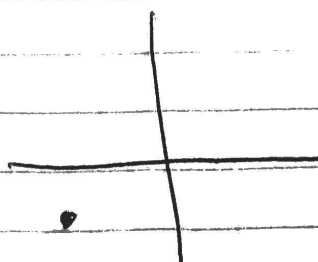


$$180 + \theta = 230^\circ$$

$$230 - 180 = \theta$$

$$50^\circ = \theta$$

$$\text{Ex3: } \frac{5}{4} \cdot \frac{180}{1} = 225^\circ$$



$$225 - 180 = \theta$$

$$45^\circ = \theta$$

Divide Fractions

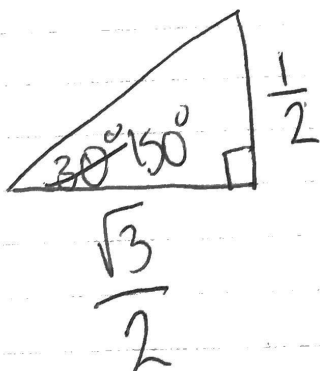
ex1: $\frac{1}{4} \div \frac{2}{3}$

$$\frac{1}{4} \cdot \frac{3}{2} = \frac{3}{8}$$

ex2: $\frac{5}{6} \div \frac{3}{6}$

$$\frac{5}{6} \cdot \frac{6}{3} = \frac{30}{18} = \frac{5}{3}$$

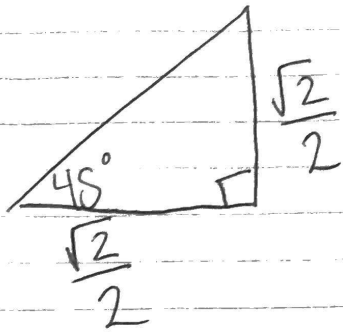
$\tan \theta = \frac{\text{opposite}}{\text{adjacent}}$



$$\frac{1}{2} \div \frac{\sqrt{3}}{2}$$

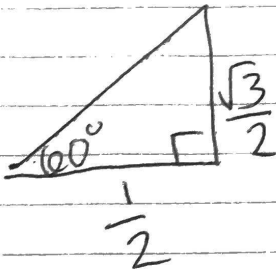
$$\frac{1}{2} \cdot \frac{2}{\sqrt{3}}$$

$$\frac{1}{\sqrt{3}} \cdot \frac{\sqrt{3}}{\sqrt{3}} = \frac{\sqrt{3}}{3}$$



$$\frac{\sqrt{2}}{2} \div \frac{\sqrt{2}}{2}$$

$$\frac{\sqrt{2}}{2} \cdot \frac{2}{\sqrt{2}} = \underline{1}$$



$$\frac{\sqrt{3}}{2} \div \frac{1}{2}$$

$$\frac{\sqrt{3}}{2} \cdot \frac{2}{1} = \frac{\sqrt{3}}{1}$$