

5.3] Angles larger than 90° with special triangles.

II

$$\sin \theta = \frac{y}{r}$$

$$\cos \theta = \frac{-x}{r}$$

$$\tan \theta = \frac{y}{-x}$$

$$\sin \theta = \frac{y}{r}$$

$$\cos \theta = \frac{x}{r}$$

$$\tan \theta = \frac{y}{x}$$

180°

$$\sin \theta = -\frac{y}{r}$$

$$\cos \theta = \frac{-x}{r}$$

0°
 360°

$$\sin \theta = \frac{-y}{r}$$

$$\cos \theta = \frac{x}{r}$$

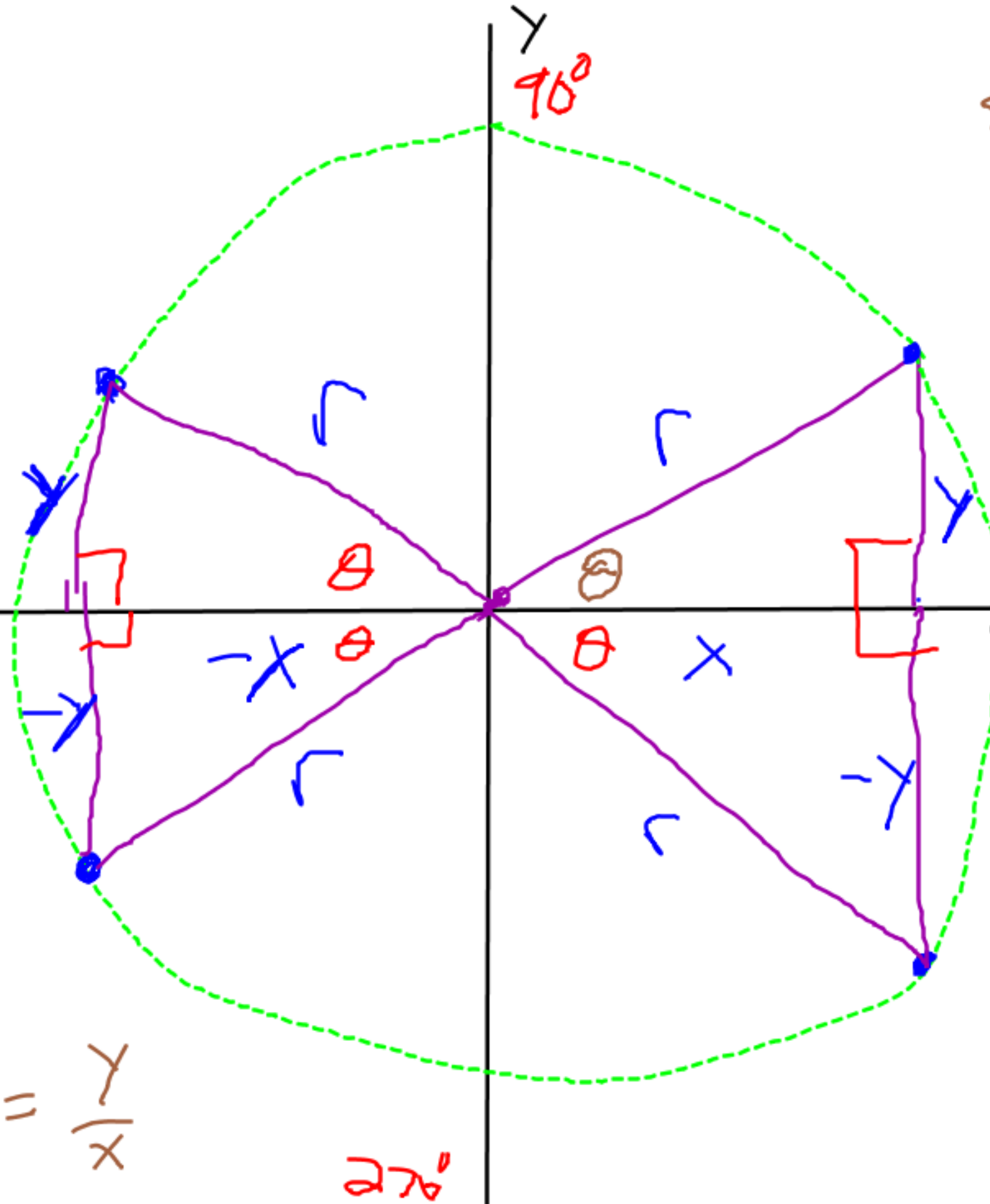
$$\tan \theta = \frac{-y}{x}$$

III

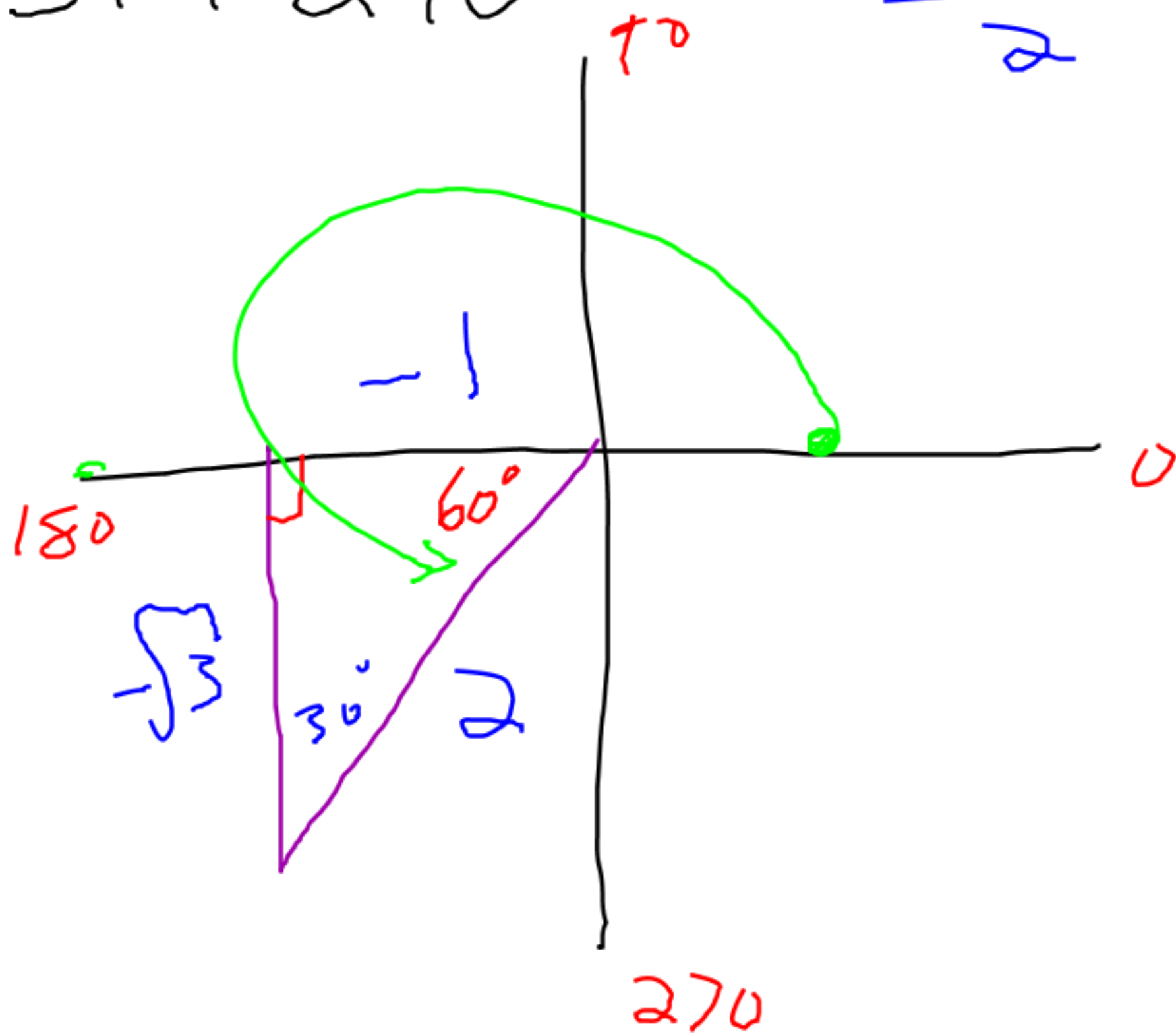
$$\tan \theta = \frac{-y}{-x} = \frac{y}{x}$$

270°

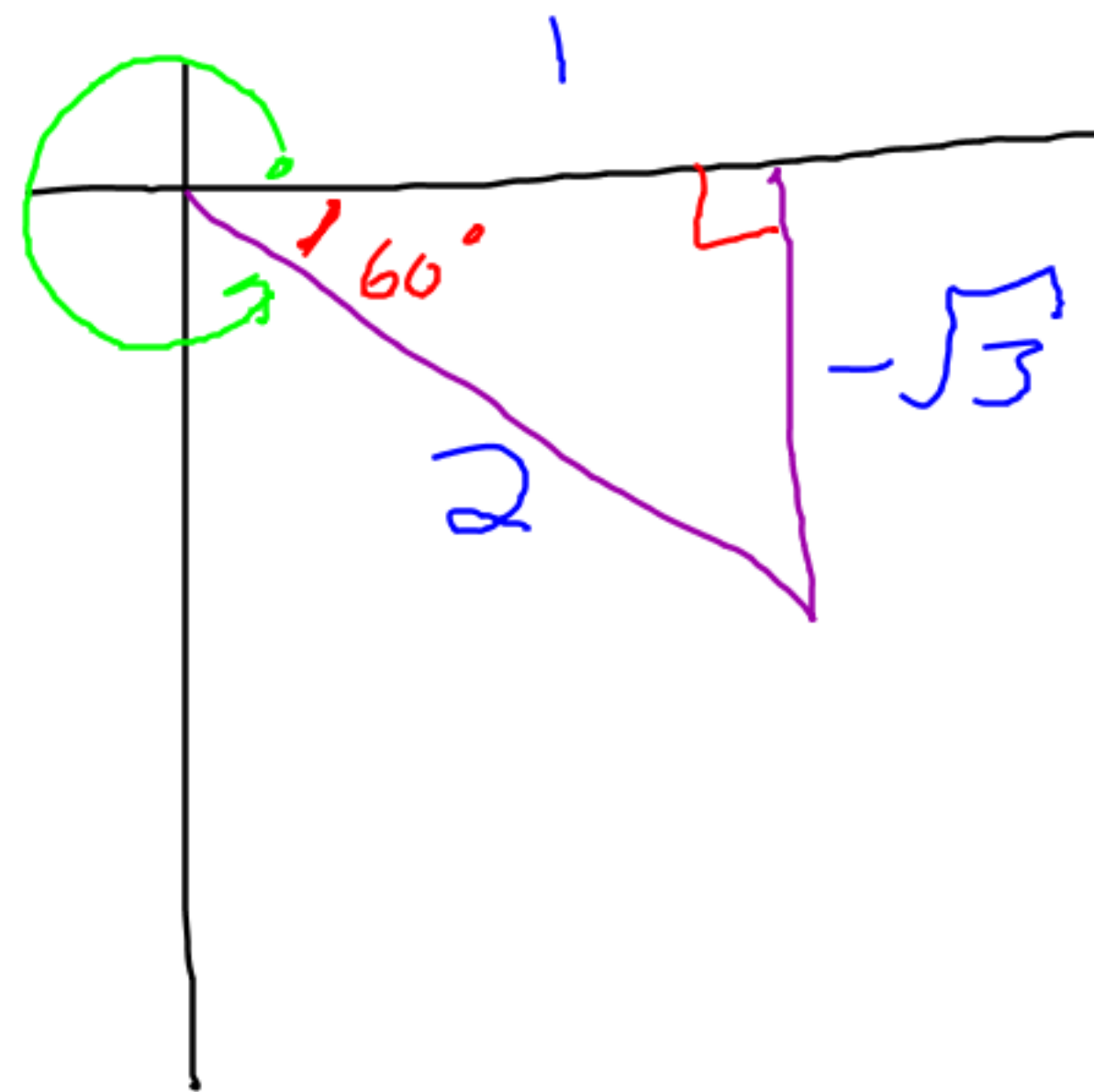
IV



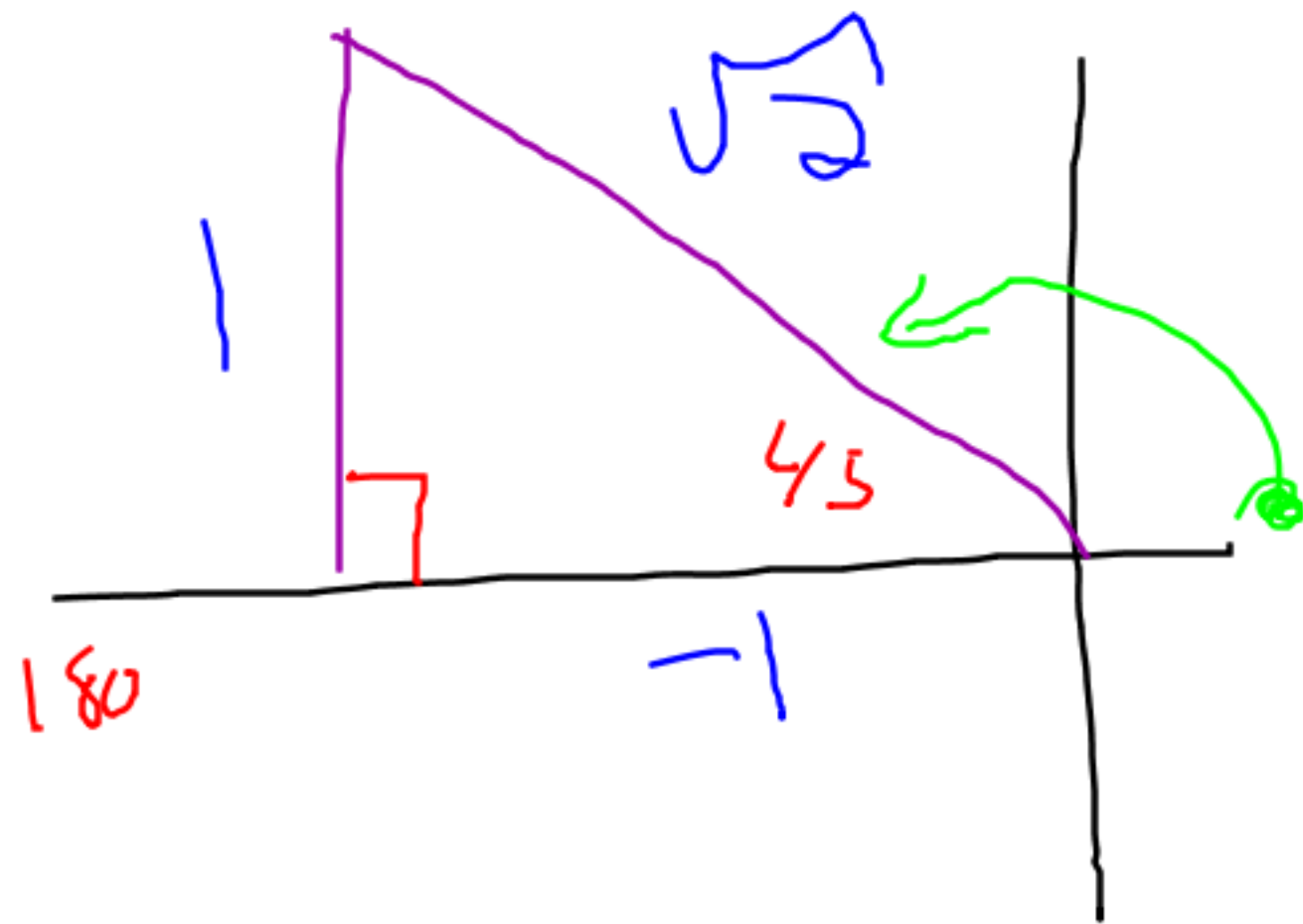
$$\sin 240^\circ = \frac{-\sqrt{3}}{2}$$



$$\sec 300^\circ = \frac{2}{1} = 2$$



$$\cot 135 = -1$$



$$\cos 120 = -\frac{1}{2}$$

