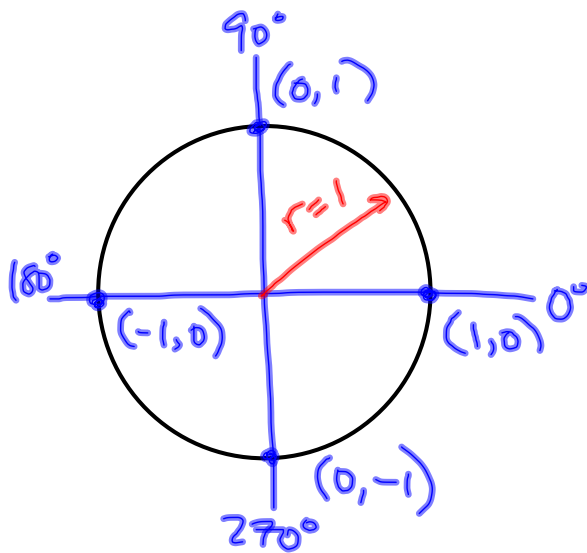


$$\begin{aligned}
 2^2 &= y^2 + 1^2 \\
 4 &= y^2 + 1 \\
 3 &= y^2 \\
 y &= \sqrt{3}
 \end{aligned}$$

$$\sin 30^\circ = \frac{1}{2} \quad \cos 30^\circ = \frac{\sqrt{3}}{2} \quad \tan 30^\circ = \frac{1}{\sqrt{3}} = \frac{\sqrt{3}}{3}$$

$$\sin 60^\circ = \frac{\sqrt{3}}{2} \quad \cos 60^\circ = \frac{1}{2} \quad \tan 60^\circ = \sqrt{3}$$

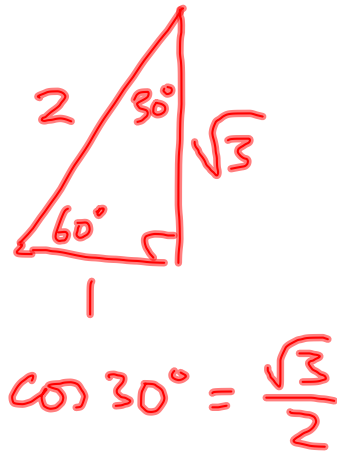
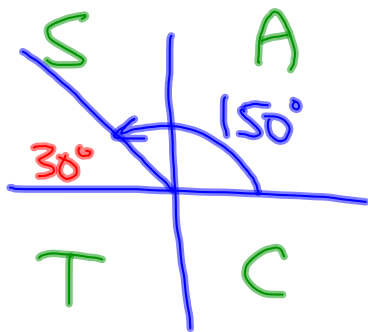


$$\begin{aligned}
 \sin 0^\circ &= 0 \\
 \sin 90^\circ &= 1 \\
 \sin 180^\circ &= 0 \\
 \sin 270^\circ &= -1
 \end{aligned}$$

$$\begin{aligned}
 \cos 0^\circ &= 1 \\
 \cos 90^\circ &= 0 \\
 \cos 180^\circ &= -1 \\
 \cos 270^\circ &= 0
 \end{aligned}$$

$$\begin{aligned}
 \tan 0^\circ &= 0 \\
 \tan 90^\circ &\text{ is undefined} \\
 \tan 180^\circ &= 0 \\
 \tan 270^\circ &\text{ is undefined}
 \end{aligned}$$

4. $\cos \theta = 150^\circ$

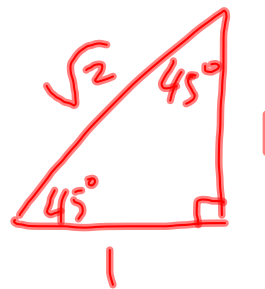
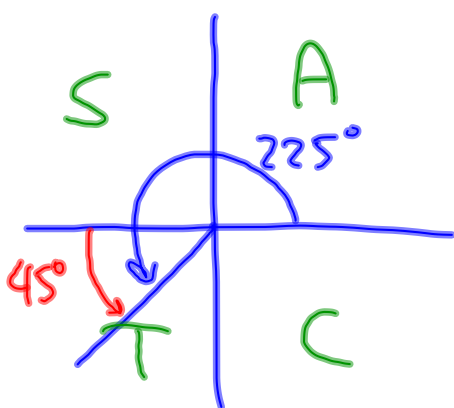


$\cos 150^\circ = -\frac{\sqrt{3}}{2}$

CAST

RAA + special Δ 's

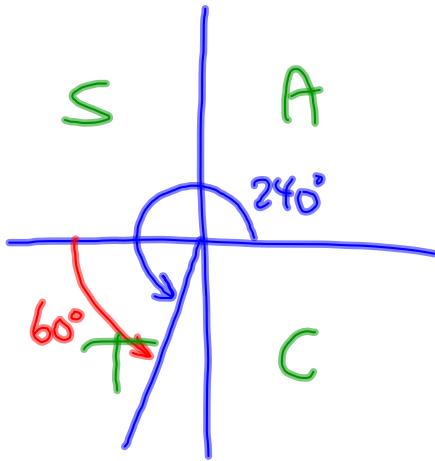
7. $\sin 225^\circ$



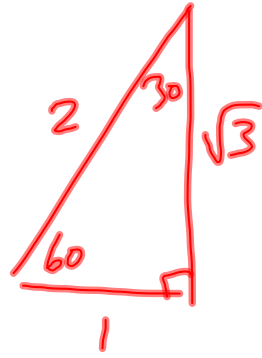
$\sin 45^\circ = \frac{1}{\sqrt{2}}$

$\sin 225^\circ = -\frac{1}{\sqrt{2}}$

6. $\tan 240^\circ$



$$\tan 240^\circ = \sqrt{3}$$



$$\tan 60^\circ = \sqrt{3}$$