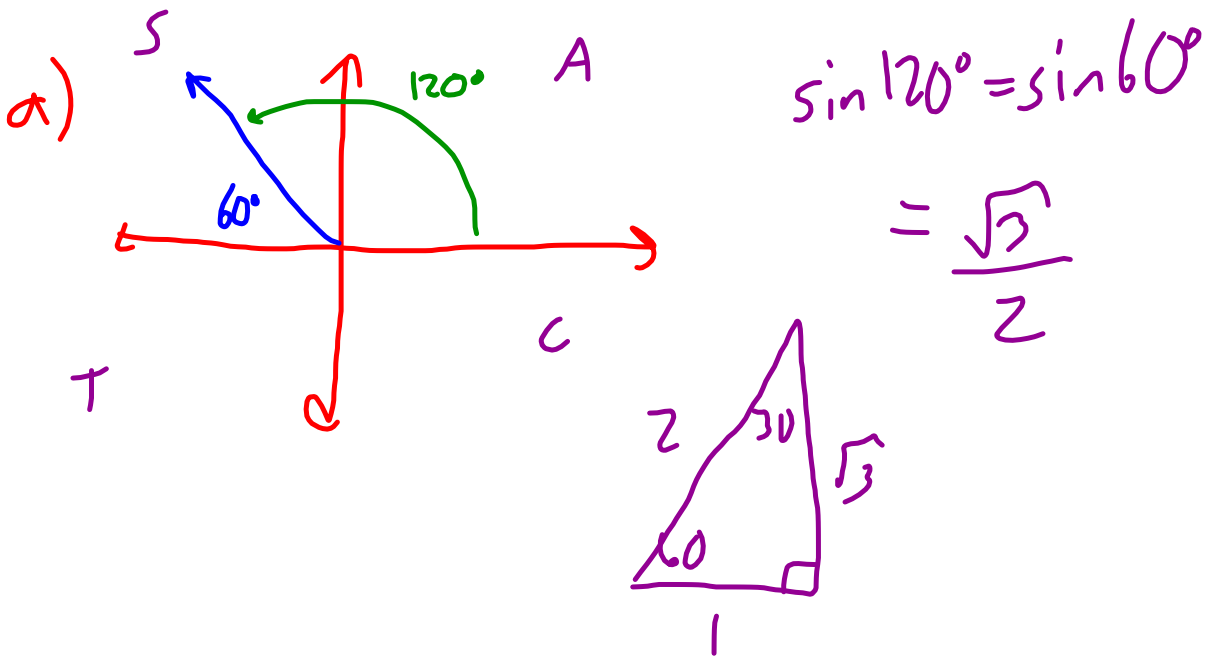
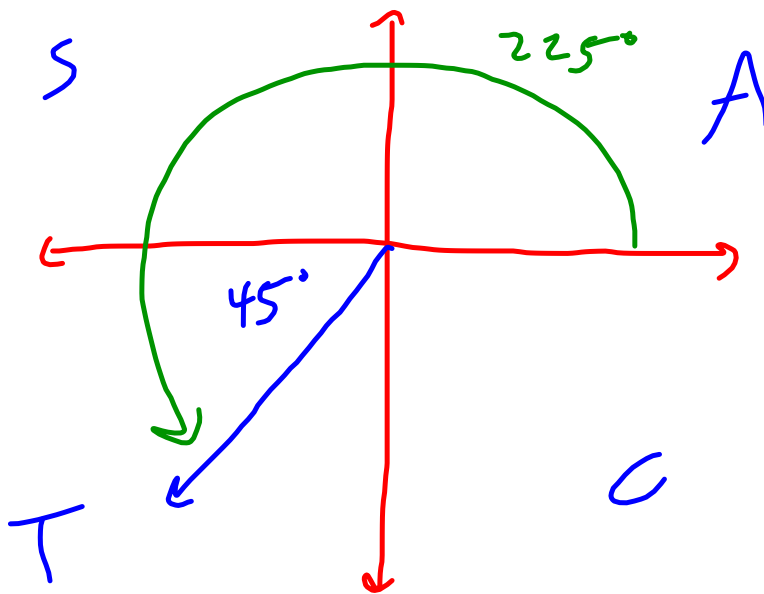


8. i) Sketch each angle in standard position. Use the sketch to determine the exact value of the given trigonometric ratio.
- ii) If $0^\circ \leq \theta \leq 360^\circ$, state all values of θ that have the same given trigonometric ratio.
- a) $\sin 120^\circ$ c) $\tan 330^\circ$
b) $\cos 225^\circ$ d) $\cos 300^\circ$



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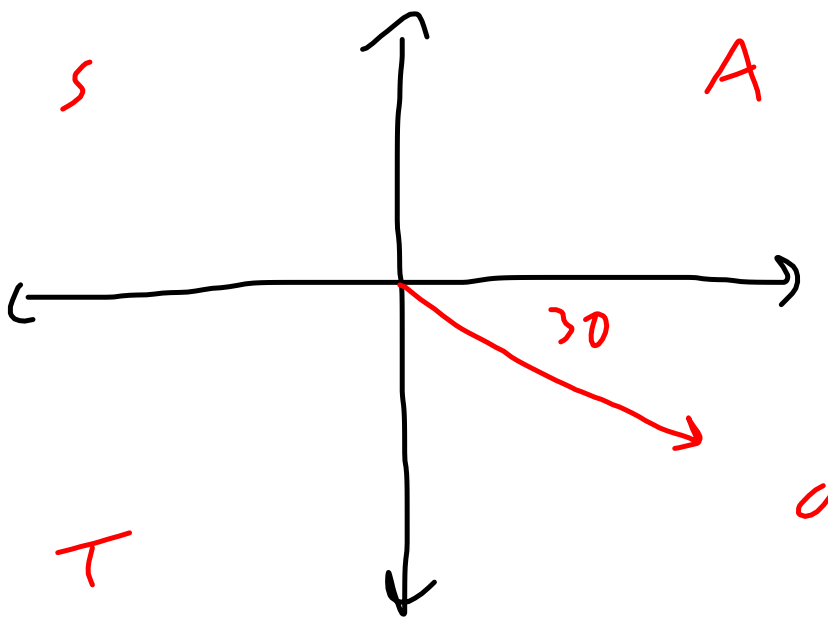


$$\cos 225^\circ = -\cos 45^\circ$$



$$= -\frac{1}{\sqrt{2}}$$

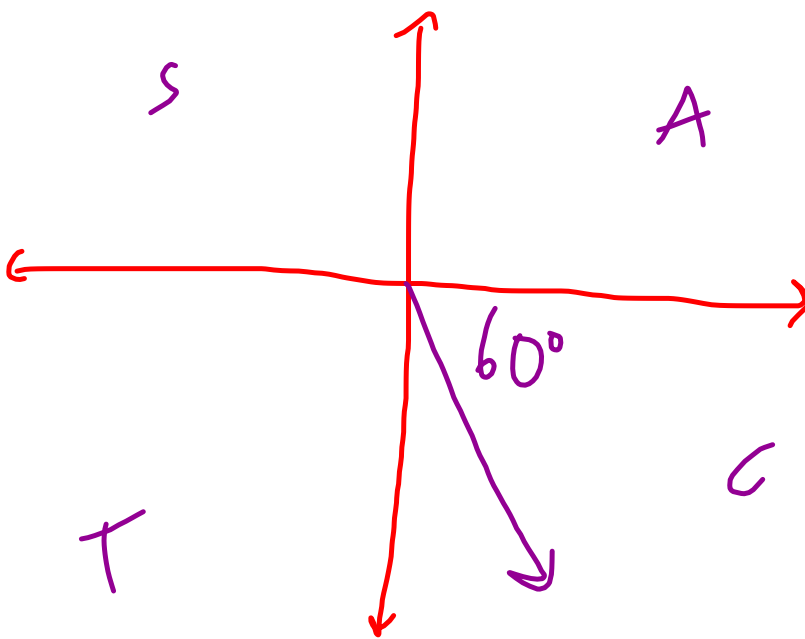
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$$\tan 330^\circ = -\tan 30^\circ$$

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

8. i) Sketch each angle in standard position. Use the sketch to determine the exact value of the given trigonometric ratio.
- ii) If $0^\circ \leq \theta \leq 360^\circ$, state all values of θ that have the same given trigonometric ratio.
- a) $\sin 120^\circ$ c) $\tan 330^\circ$
 b) $\cos 225^\circ$ d) $\cos 300^\circ$



$$\cos 300 = \cos 60^\circ$$

$$= \frac{1}{2}$$

