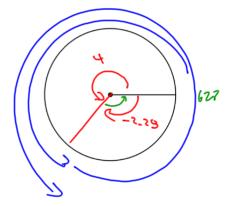
Convert from degrees to radian.

2. Convert from radian to degree.

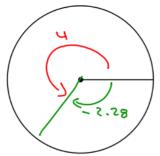
a.
$$\frac{7\pi}{4}$$
 radian

- 3. Use the provided circle to draw the terminal side of the requested radian angle. Also give the measure of two other coterminal angles.
 - a. 4 radian



Two coterminal angles:

b. -2.28 radian

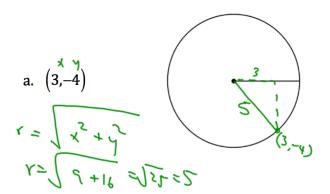


Two coterminal angles:

Ч

10,23

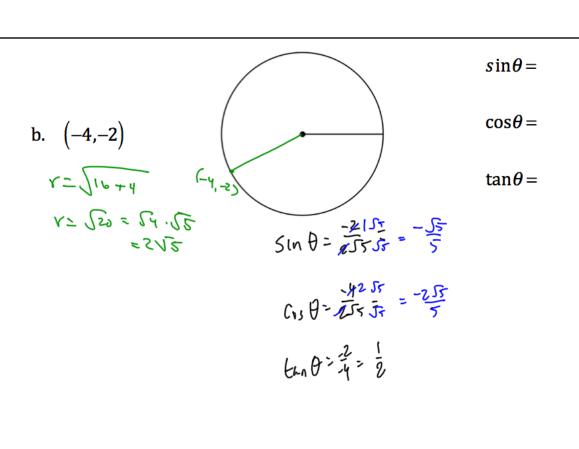
4. Draw each angel in standard position and state the value of the trig ratio for the angle with terminal side ending at:

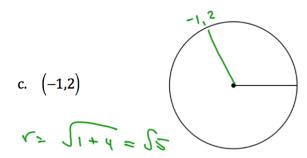


$$\sin\theta = \frac{1}{2} = \frac{-4}{5}$$

$$\cos\theta = \frac{1}{3} = \frac{3}{5}$$

$$\tan \theta = \frac{y}{x} = \frac{-y}{3}$$





$$\sin\theta = \frac{2}{5} = \frac{25}{5}$$

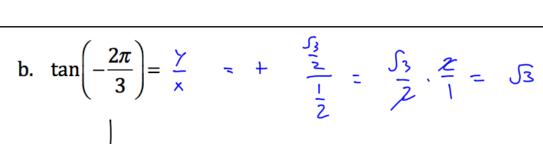
$$\cos\theta = \frac{1}{5} = \frac{5}{5}$$

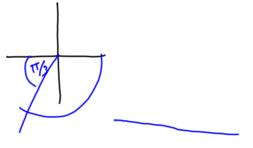
$$\tan\theta = \frac{2}{1} = \frac{2}{5}$$

1. Evaluate each.

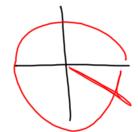
a.
$$\sin \frac{3\pi}{4} = + \frac{\int_{2}^{2}}{2}$$



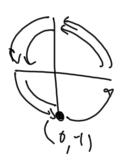




c.
$$\cos\frac{11\pi}{6} = + \frac{\int_3^3}{2}$$

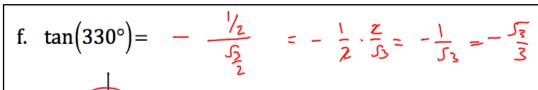


d. $\sin \frac{21\pi}{6} = \sin \frac{7\pi}{2} = -1$



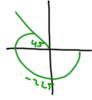
e. $\cos(-3\pi) = -1$



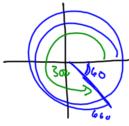




g.
$$\sin(-225^\circ) = + \frac{\sqrt{2}}{2}$$



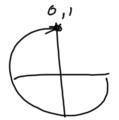
h. $\tan(660^\circ) = -\frac{\sqrt{3}}{\frac{1}{2}} = -\frac{\sqrt{3}}{\frac{3}{2}} \cdot \frac{2}{\sqrt{3}} = -\sqrt{3}$



g. $cos(120^\circ) = -\frac{1}{2}$

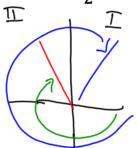


h. $\tan(-270^\circ) = \frac{1}{D} = \omega$



2. Determine four answers for the angle θ on the interval $-2\pi < \theta < 2\pi$.

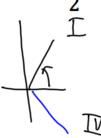
a.
$$\sin \theta = \frac{\sqrt{3}}{2}$$





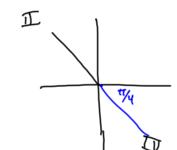
b.

$$\cos\theta = \frac{\sqrt{2}}{2}$$



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c. $\tan \theta = -1$



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d. $\sin \theta = -1$

