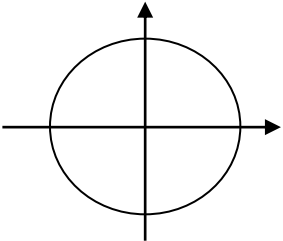
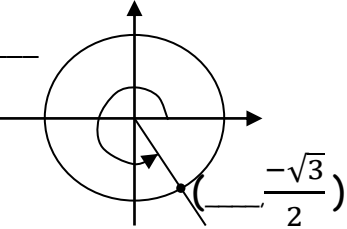
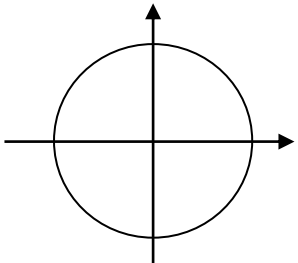
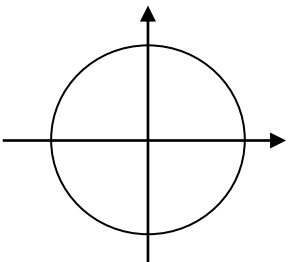


Review Activity 1: Standard Angles—Fill in the Blanks

You're given a clue about each standard angle (remember, these are all angles that are multiples of 30 or 45 degrees). Fill in the blanks using **exact** values in the form of simplified radicals, fractions, or whole numbers - **no decimals**. This is worth 24 points (1/2 point per blank).

- When necessary: write the angle measure, θ , in **both radians and degrees** using only the standard angles in the intervals $[0, 2\pi)$ and $[0^\circ, 360^\circ)$;
- Identify the measure of the reference angle, $\bar{\theta}$, in **degrees**, do not draw it;
- **Clearly draw the standard angle in standard position with indicator arrow— see (b);**
- Label the ordered pair representing the point of intersection with the terminal side of the angle and the unit circle (the y-coordinate is done for you in part (b)).

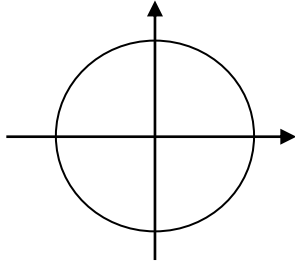
<p>a)</p> <p>$\theta = \frac{5\pi}{4} = \underline{\hspace{2cm}}$</p>  <p>$\bar{\theta} = \underline{\hspace{2cm}}$</p> <p>$(\underline{\hspace{1cm}}, \underline{\hspace{1cm}})$</p> <p>$\sin \theta = \underline{\hspace{1cm}}, \cos \theta = \underline{\hspace{1cm}}, \tan \theta = \underline{\hspace{1cm}}$</p>	<p>b)</p> <p>$\theta = \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$</p>  <p>$\bar{\theta} = \underline{\hspace{2cm}}$</p> <p>$\sin \theta = \underline{\hspace{1cm}}, \cos \theta = \underline{\hspace{1cm}}, \tan \theta = \underline{\hspace{1cm}}$</p>
<p>c) $\theta_c = -510^\circ$ is coterminal with which standard angle?</p> <p>$\theta = \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$</p>  <p>$\bar{\theta} = \underline{\hspace{2cm}}$</p> <p>$(\underline{\hspace{1cm}}, \underline{\hspace{1cm}})$</p> <p>$\sin \theta = \underline{\hspace{1cm}}, \cos \theta = \underline{\hspace{1cm}}, \tan \theta = \underline{\hspace{1cm}}$</p>	<p>d) $\theta = \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$</p>  <p>$\bar{\theta} = \underline{\hspace{2cm}}$</p> <p>$(\underline{\hspace{1cm}}, \underline{\hspace{1cm}})$</p> <p>$\sin \theta = 1, \cos \theta = 0, \tan \theta = \underline{\hspace{2cm}}$</p>

continued...

e) $\sin \theta > 0$

$\theta = \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$

$\bar{\theta} = \underline{\hspace{2cm}}$

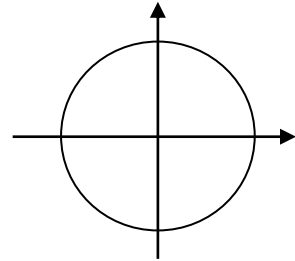


(,)

$\sin \theta = \underline{\hspace{2cm}}$, $\cos \theta = \frac{-\sqrt{2}}{2}$, $\tan \theta = \underline{\hspace{2cm}}$

f) $\theta = \underline{\hspace{2cm}} = 30^\circ$

$\bar{\theta} = \underline{\hspace{2cm}}$



(,)

$\sin \theta = \underline{\hspace{2cm}}$, $\cos \theta = \underline{\hspace{2cm}}$, $\tan \theta = \underline{\hspace{2cm}}$