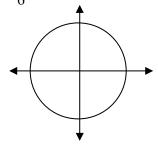
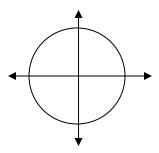
Practice:

Using the cosine graph and the unit circle, mark the angle on each unit circle below and state the value of the cosine of that angle.

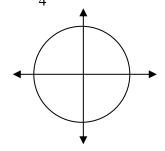
a) $\frac{\pi}{6}$ radians



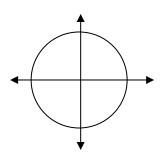
b) O radians



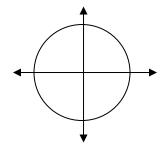
c)
$$\frac{\pi}{4}$$
 radians



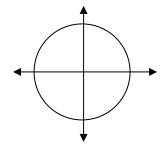
d)
$$\frac{\pi}{2}$$
 radians



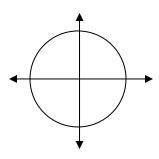
e)
$$\frac{\pi}{3}$$
 radians



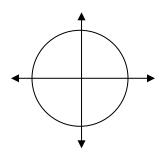
f)
$$\frac{2\pi}{3}$$
 radians



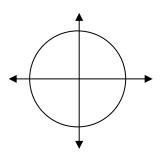
g) -
$$\frac{\pi}{3}$$



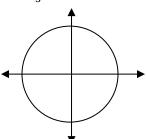
h) -
$$\frac{\pi}{4}$$



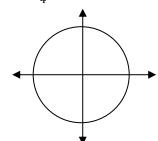
i) -
$$\frac{\pi}{6}$$

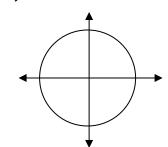


j) -
$$\frac{2\pi}{3}$$



k) -
$$\frac{3\pi}{4}$$



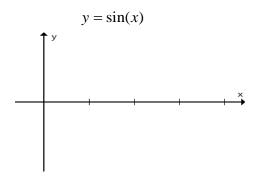


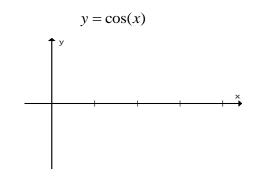
Looking ahead: Use your prior knowledge of transformations to graph each of the functions. **Graphing requirements:**

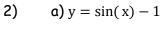
Always include a scale on both axes.

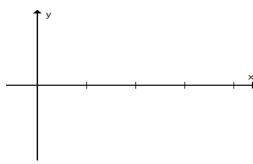
At least 5 points must be plotted: the maximums (high), minimums (low) and the "mids" One full period must be graphed.

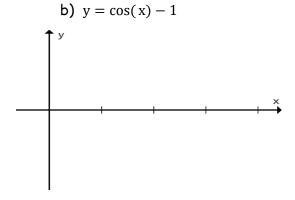
1) Parent graphs:

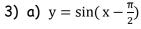


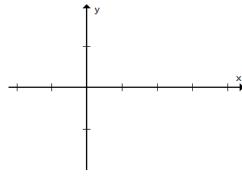


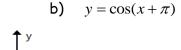


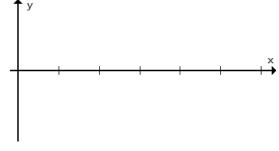


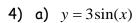


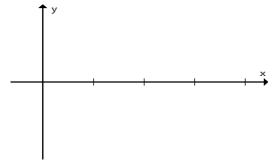












b)
$$y = 2\cos(x)$$

