

Show your work and give your answers in exact form.

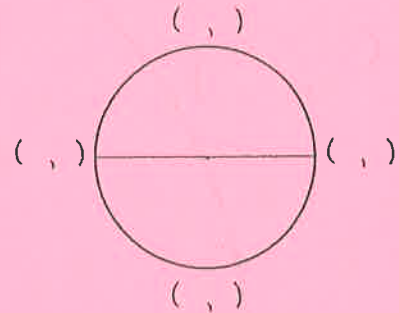
1. Name an angle between 0° and 360° with the same sine as the given angle.

a) 161°

b) 295°

2. Next to the unit circle shown, write the coordinates (using 1's and 0's) for the points on the circle that correspond to the angles:

$0, \frac{\pi}{2}, \pi,$ and $\frac{3\pi}{2}$



3. Using the coordinates your answer from #2, Find the exact value for the following:

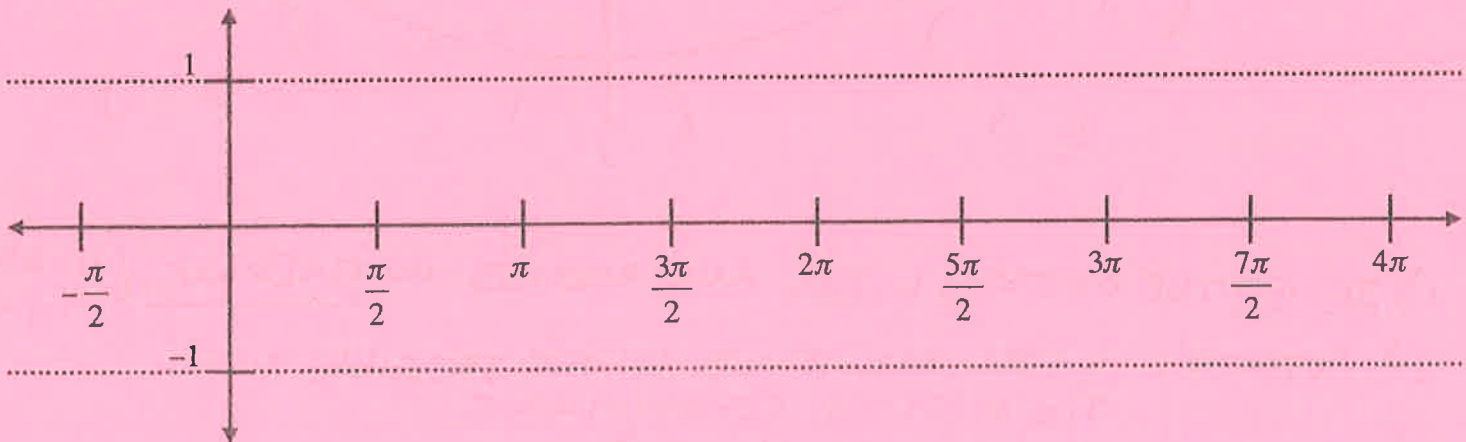
$\sin\left(\frac{\pi}{2}\right) =$

$\sin(\pi) =$

$\cos(0) =$

$\cos\left(\frac{3\pi}{2}\right) =$

4. Use the coordinates from problem #2 to graph the following two functions on the same grid.
 $y = \sin x$ and $y = \cos x$ but make the graph of $y = \cos x$ dashed and $y = \sin x$ solid.



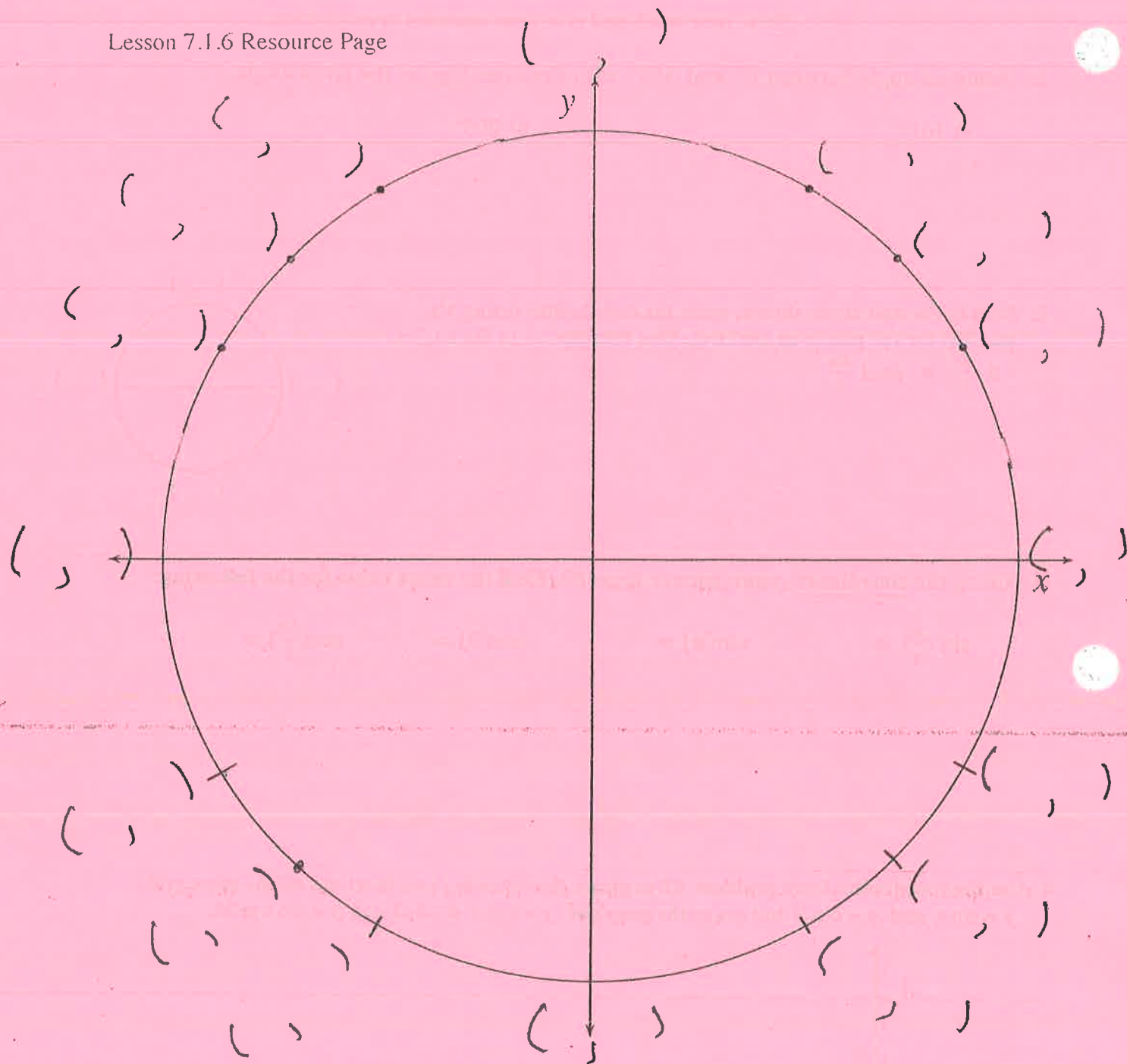
5. Name all the quadrants in which each of the following is negative. Use roman numerals for quadrants.

$\sin \theta$

$\cos \theta$

Homework Practice

Lesson 7.1.6 Resource Page



- 1) INSIDE THE CIRCLE, LABEL ALL ANGLES IN RADIANS (in all 4 quadrants)
- 2) OUTSIDE: LABEL ALL POINTS WHERE POSSIBLE WITH their exact coordinates, (ALL 4 quadrants)