

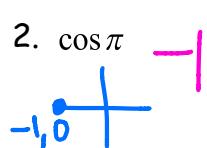
Name: _____

HW: Reg PC

1.9 The Unit Circle

Find the exact value:

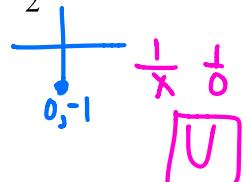
1. $\tan \frac{3\pi}{2}$

U

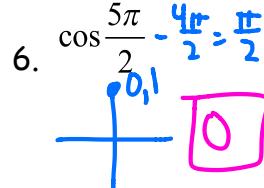
3. $\sin\left(-\frac{\pi}{2}\right)$

-1

4. $\sec \frac{3\pi}{2}$



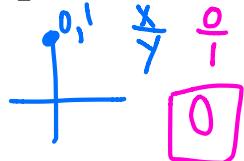
5. $\csc \frac{\pi}{2}$

1

7. $\tan 4\pi$

0

8. $\cot \frac{\pi}{2}$

9. If $\csc \theta > 0$, then θ lies in quadrant(s) 1, 210. If $\sin \theta < 0$, and $\cos \theta > 0$ then θ lies in quadrant(s) 4

sin - cos +
S | A
T | C

11. Which of the following points is not on the unit circle?

A) $(-1, 0)$

B) $\left(\frac{1}{2}, -\frac{1}{2}\right)$

C) $\left(\frac{\sqrt{2}}{2}, \frac{\sqrt{2}}{2}\right)$

12. In the accompanying diagram of a unit circle, the ordered pair (x, y) represents the locus of points for the circle. Which ordered pair is equivalent to (x, y) ?

- a) $(\sin \theta, \cos \theta)$
- b) $(\cot \theta, \tan \theta)$
- c) $(\tan \theta, \cot \theta)$
- d) $(\cos \theta, \sin \theta)$

