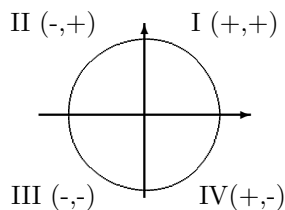


Unit Circle Trig WS

Name:



1. Which quadrant are each of the following points?

- (a) $\left(\frac{\sqrt{2}}{2}, \frac{\sqrt{2}}{2}\right)$
- (b) $\left(-\frac{\sqrt{2}}{2}, -\frac{\sqrt{2}}{2}\right)$
- (c) $\left(-\frac{\sqrt{2}}{2}, \frac{\sqrt{2}}{2}\right)$
- (d) $\left(\frac{\sqrt{2}}{2}, -\frac{\sqrt{2}}{2}\right)$

2. What angle corresponds to

- (a) $\left(\frac{\sqrt{2}}{2}, \frac{\sqrt{2}}{2}\right)$
- (b) $\left(-\frac{\sqrt{2}}{2}, -\frac{\sqrt{2}}{2}\right)$
- (c) $\left(-\frac{\sqrt{2}}{2}, \frac{\sqrt{2}}{2}\right)$
- (d) $\left(\frac{\sqrt{2}}{2}, -\frac{\sqrt{2}}{2}\right)$

3. What angle corresponds to

- (a) $\left(\frac{\sqrt{3}}{2}, \frac{1}{2}\right)$
- (b) $\left(-\frac{\sqrt{3}}{2}, \frac{1}{2}\right)$
- (c) $\left(-\frac{\sqrt{3}}{2}, -\frac{1}{2}\right)$
- (d) $\left(\frac{\sqrt{3}}{2}, -\frac{1}{2}\right)$

4. What point on the unit circle corresponds to $\frac{\pi}{3}$

5. Find the six trig functions of $\frac{5\pi}{4}$

- (a) $\sin$
- (b) $\cos$
- (c) $\tan$
- (d) $\csc$
- (e) $\sec$
- (f) $\cot$

6. Find the six trig functions of $\frac{\pi}{2}$

- (a) $\sin$
- (b) $\cos$
- (c) $\tan$
- (d) $\csc$
- (e) $\sec$
- (f) $\cot$

7. Find the six trig functions of $\frac{\pi}{3}$

- (a) $\sin$
- (b) $\cos$
- (c) $\tan$
- (d) $\csc$
- (e) $\sec$
- (f) $\cot$