

Unit Circle Worksheet

CONVERT 135° TO RADIANS

- A. $\pi/4$
- B. $\pi/2$
- C. $3\pi/4$
- D. π

What are the coordinates on the unit circle for an angle of $\pi/3$?

- A. $(1/2, \sqrt{3}/2)$
- B. $(\sqrt{3}/2, 1/2)$
- C. $(-1/2, \sqrt{3}/2)$
- D. $(\sqrt{3}/2, -1/2)$

Calculate the cosine of $\pi/2$

- A. 0
- B. 1
- C. -1
- D. undefined

Which of the following points is NOT on the unit circle?

- A. $(1, 0)$
- B. $(0, 1)$
- C. $(1/\sqrt{2}, 1/\sqrt{2})$
- D. $(1, 1)$

If $\sin(\theta) = 1/2$ and $\pi < \theta < 3\pi/2$, what is θ ?

- A. $5\pi/6$
- B. $7\pi/6$
- C. $\pi/6$
- D. $3\pi/2$