

Unit Circle Worksheet

1. Convert 135° to radians

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

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

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

3. Calculate the cosine of $\pi/2$

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

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

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

5. If $\sin(\theta) = 1/2$ and $0 < \theta < 3\pi/2$, what is θ ?

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