Unit Circle Worksheet

Test your knowledge of the unit circle by selecting the correct answer for each question.

1. What are the coordinates of 180° on the unit circle?
   a) (0,1)
   b) (1,0)
   c) (-1,0)
   d) (0,-1)
2. Which of the following angles has the same cosine value as 60°?
   a) 120°
   b) 240°
   c) 300°
   d) 150°
3. What is the sine of 270°?
   a) 0
   b) 1
   c) -1
   d) Undefined
4. The reference angle for 225° is:
   a) 45°
   b) 60°
   c) 30°
   d) 90°
5. In which quadrant is cosine negative but sine positive?
   a) Quadrant I
   b) Quadrant II
   c) Quadrant III
   d) Quadrant IV
6. What is the cosine value of 0°?
   a) 1
   b) -1
   c) 0
   d) Undefined