UNIT 8 • TRIGONOMETRIC FUNCTIONS   F–TF.2
Lesson 8.2: Special Angles in the Unit Circle

Practice 8.2: Special Angles in the Unit Circle   A

For problems 1–9, find the coordinates of the point where the terminal side of the angle intersects the unit circle. Give exact answers.

1. 45°

2. 210°

3. 90°

4. 300°

5. $\dfrac{\pi}{3}$ radians

6. $\dfrac{7\pi}{4}$ radians

7. 2π radians

8. $\dfrac{5\pi}{6}$ radians

9. $\dfrac{7\pi}{6}$ radians

Use your knowledge of unit circles to complete problem 10.

10. Create a unit circle that contains all the special angles in degrees. Label the terminal point of each angle with its coordinates.