Lesson 13.2 Practice: Angles, Radians and the Unit Circle: A First Look

School Launch · Algebra II · Unit 13: A Bridge to Trigonometry · Worksheet A

Calculator for decimals

Name _____ Date _____ Score _____ / 10

Show your work under each problem, one step per line, and check your answer. Word problems: name the unknown, write the equation, solve, and answer in a sentence with units.

1. Convert 270° to radians and give the exact coordinates of its point on the unit circle. EASY

2. Convert 225° to radians and give the exact coordinates of its point on the unit circle. EASY

3. Convert 210° to radians and give the exact coordinates of its point on the unit circle. EASY

4. Convert 120° to radians and give the exact coordinates of its point on the unit circle. MEDIUM

5. Convert 60° to radians and give the exact coordinates of its point on the unit circle. MEDIUM

6. Convert 90° to radians and give the exact coordinates of its point on the unit circle. MEDIUM

7. Convert 30° to radians and give the exact coordinates of its point on the unit circle. MEDIUM

8. Convert 150° to radians and give the exact coordinates of its point on the unit circle. HARD

9. Convert 45° to radians and give the exact coordinates of its point on the unit circle. HARD

10. Convert 240° to radians and give the exact coordinates of its point on the unit circle. HARD