Lesson 3.3 Practice: Converting Degrees and Radians

School Launch · Trigonometry · Unit 3: Angles, Radians and the Unit Circle · Worksheet A

Scientific calculator

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 330° to radians (exact). EASY

2. Convert 270° to radians (exact). EASY

3. Convert 150° to radians (exact). EASY

4. Convert 60° to radians (exact). MEDIUM

5. Convert $\frac{17\pi}{12}$ radians to degrees. MEDIUM

6. Convert 6π radians to degrees. MEDIUM

7. Convert 15° to radians (exact). MEDIUM

8. Convert $\frac{13\pi}{3}$ radians to degrees. HARD

9. Convert 120° to radians (exact). HARD

10. Convert $\frac{4\pi}{3}$ radians to degrees. HARD