Lesson 3.1 Practice: Angles in Standard Position

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. An angle of 27° is in standard position. Find a coterminal angle between 0° and 360° and its quadrant.

EASY

2. An angle of -393° is in standard position. Find a coterminal angle between 0° and 360° and its quadrant.

EASY

3. An angle of -252° is in standard position. Find a coterminal angle between 0° and 360° and its quadrant.

EASY

4. An angle of 675° is in standard position. Find a coterminal angle between 0° and 360° and its quadrant.

MEDIUM

5. An angle of -511° is in standard position. Find a coterminal angle between 0° and 360° and its quadrant.

MEDIUM

6. An angle of 109° is in standard position. Find a coterminal angle between 0° and 360° and its quadrant.

MEDIUM

7. An angle of 709° is in standard position. Find a coterminal angle between 0° and 360° and its quadrant.

MEDIUM

8. An angle of -641° is in standard position. Find a coterminal angle between 0° and 360° and its quadrant.

HARD

9. An angle of 329° is in standard position. Find a coterminal angle between 0° and 360° and its quadrant.

HARD

10. An angle of -16° is in standard position. Find a coterminal angle between 0° and 360° and its quadrant.

HARD