Lesson 9.2 Practice: The Converse of the Pythagorean Theorem

School Launch · Geometry · Unit 9: Right Triangles and Trigonometry · Worksheet A

Calculator allowed

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. Classify the triangle with sides 6, 8 and 10 as acute, right or obtuse. EASY

2. Classify the triangle with sides 8, 15 and 17 as acute, right or obtuse. EASY

3. Classify the triangle with sides 16, 30 and 34 as acute, right or obtuse. EASY

4. Classify the triangle with sides 10, 24 and 27 as acute, right or obtuse. MEDIUM

5. Classify the triangle with sides 32, 60 and 68 as acute, right or obtuse. MEDIUM

6. Classify the triangle with sides 3, 4 and 5 as acute, right or obtuse. MEDIUM

7. Classify the triangle with sides 6, 8 and 9 as acute, right or obtuse. MEDIUM

8. Classify the triangle with sides 15, 36 and 39 as acute, right or obtuse. HARD

9. Classify the triangle with sides 12, 16 and 21 as acute, right or obtuse. HARD

10. Classify the triangle with sides 9, 12 and 14 as acute, right or obtuse. HARD