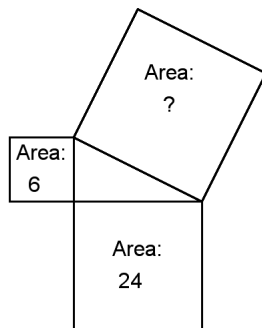


Final Exam Review - Unit 1**Multiple Choice***Identify the choice that best completes the statement or answers the question.*

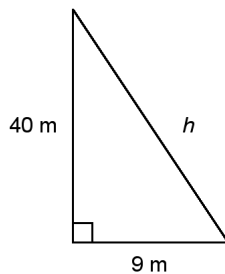
- _____ 1. Which 2 consecutive square numbers is 54 between?
a. 53 and 55 b. 28 and 32 c. 49 and 64 d. 12 and 16

- _____ 2. The side length of a square is $\sqrt{49}$ cm. Find its area.
a. 49 cm² b. 24.5 cm² c. 2401 cm² d. 7 cm²

- _____ 3. Find the area of the indicated square.



- a. 144 square units c. 5.5 square units
b. 18 square units d. 30 square units
- _____ 4. Find the length of the hypotenuse.

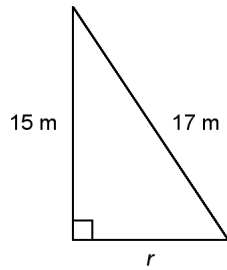


- a. 40 m b. 43 m c. 42 m d. 41 m

Name: _____

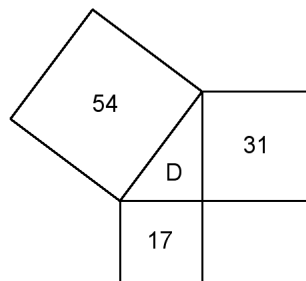
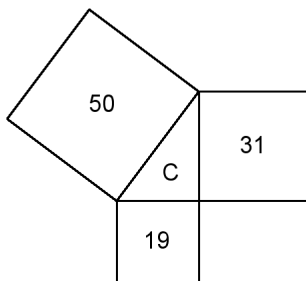
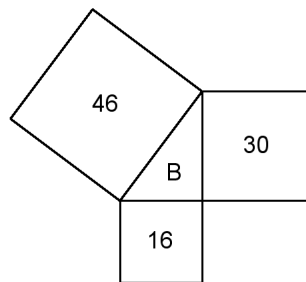
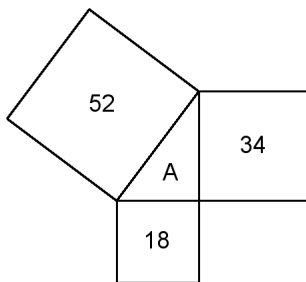
ID: A

- _____ 5. Find the length of the leg labelled r .



- a. 19 m b. 8 m c. 16 m d. 13 m

- _____ 6. The area, in square centimetres, of the square on each side of a triangle is given. Which triangle is NOT a right triangle?

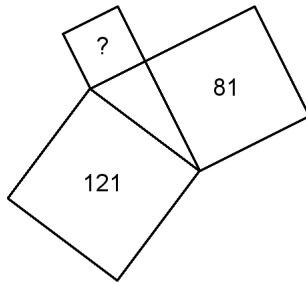


- a. Triangle D b. Triangle C c. Triangle B d. Triangle A

Name: _____

ID: A

- _____ 7. The areas, in square centimetres, of the largest square and one of the smaller squares on the sides of a right triangle are given. Determine the area of the third square.



- a. 6 cm^2 b. 202 cm^2 c. 2 cm^2 d. 40 cm^2
- _____ 8. The legs of a right triangle measure 7 cm and 6 cm. What is the length of the hypotenuse?
- a. $\sqrt{85} \text{ cm}$ b. 85 cm c. 13 cm d. 169 cm
- _____ 9. In a right triangle, the length of the hypotenuse is 18 m and the length of one of the legs is 15 m. Find the length of the other leg. Round your answer to the nearest tenth.
- a. 5.0 m b. 6.8 m c. 9.9 m d. 23.4 m

Final Exam Review - Unit 1**Answer Section****MULTIPLE CHOICE**

1. ANS: C PTS: 1 DIF: Easy
REF: 1.1 Square Numbers and Area Models LOC: 8.N1
TOP: Number KEY: Conceptual Understanding
2. ANS: A PTS: 1 DIF: Easy REF: 1.3 Measuring Line Segments
LOC: 8.N1 TOP: Number KEY: Conceptual Understanding
3. ANS: D PTS: 1 DIF: Easy REF: 1.5 The Pythagorean Theorem
LOC: 8.N1 | 8.SS1 TOP: Number | Shape and Space (Measurement)
KEY: Conceptual Understanding
4. ANS: D PTS: 1 DIF: Easy REF: 1.5 The Pythagorean Theorem
LOC: 8.N1 | 8.SS1 TOP: Number | Shape and Space (Measurement)
KEY: Conceptual Understanding
5. ANS: B PTS: 1 DIF: Easy REF: 1.5 The Pythagorean Theorem
LOC: 8.N1 | 8.SS1 TOP: Number | Shape and Space (Measurement)
KEY: Conceptual Understanding
6. ANS: A PTS: 1 DIF: Easy
REF: 1.6 Exploring the Pythagorean Theorem LOC: 8.SS1
TOP: Shape and Space (Measurement) KEY: Conceptual Understanding
7. ANS: D PTS: 1 DIF: Easy
REF: 1.6 Exploring the Pythagorean Theorem LOC: 8.SS1
TOP: Shape and Space (Measurement) KEY: Conceptual Understanding
8. ANS: A PTS: 1 DIF: Easy
REF: 1.6 Exploring the Pythagorean Theorem LOC: 8.SS1
TOP: Shape and Space (Measurement) KEY: Conceptual Understanding
9. ANS: C PTS: 1 DIF: Easy
REF: 1.7 Applying the Pythagorean Theorem LOC: 8.SS1
TOP: Shape and Space (Measurement) KEY: Conceptual Understanding