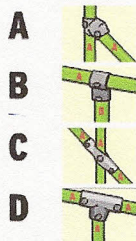


Date: \_\_\_\_\_

Name: \_\_\_\_\_

Class: \_\_\_\_\_

1 Which of the following depicts a right angle?



2 What features do all right triangles have in common?

- A Two legs and a hypotenuse
- B Two equal sides and two equal angles
- C Two 90-degree angles
- D Three sides of equal length

3  Fill in the missing value:

- A 17
- B 169
- C 13
- D 7

4 If the sum of the squares of the two legs of a triangle does not equal the square of the third side, what can you conclude?

- A The triangle is not a right triangle
- B The hypotenuse is either too long or too short
- C The interior angles of the triangle do not add up to 180 degrees
- D The triangle contains an obtuse angle

5 From the Pythagorean theorem, what can you infer about the hypotenuse of a right triangle?

- A It's always longer than either of the legs
- B It's always longer than both legs combined
- C It's always shorter than either of the legs
- D It's always shorter than both legs combined

6 Where can you find the hypotenuse of a right triangle?

- A Opposite the acute angle
- B Opposite the longer leg
- C Opposite the shorter leg
- D Opposite the right angle

7 If a right triangle's hypotenuse is 17 units long, and one of its legs is 15 units long, how long is the other leg?

- A 2 units
- B 64 units
- C 8 units
- D 13 units

8  Solve for x.

- A 15
- B 225
- C 21
- D 441

9 The square of a number is:

- A The number added to itself
- B The number multiplied by itself
- C The number multiplied by two
- D The product of the number and the next-largest number

10 Which of the following statements is true?

- A Pythagoras devised the Pythagorean Theorem when he was just 12 years old
- B The discoverer of the Pythagorean Theorem received the Nobel Prize in Mathematics
- C The Pythagorean Theorem was formulated in ancient India
- D Mathematicians have known about the Pythagorean Theorem for several thousand years