

Date: _____

Name: _____

Class: _____

1 Which of the following numbers is a factor of 16?

- A 3
- B 5
- C 8
- D 9

2 What is unique about a number that's a perfect square?

- A It has two factors which are identical
- B It has more than four different factors
- C Its only factors are 1 and itself
- D It can be evenly divided by 2

3 A principal square root is always:

- A A negative integer
- B A positive integer
- C A positive fraction
- D A negative fraction

4 What is the principal square root of 16?


- A -4
- B 4
- C $\frac{1}{4}$
- D $-\frac{1}{4}$

5 What are the two square roots of 36?

- A 18 and 2
- B 12 and 3
- C 1296 and -1296
- D 6 and -6

6 Which of the following numbers is a perfect square?

- A 18
- B 20
- C 25
- D 30

7  A square has an area of 49 square centimeters. What is the length of one side?

- A 5 cm
- B 8 cm
- C 9 cm
- D 7 cm

8 What is the area of a square where one side is 90 cm long?

- A 8100 square cm
- B 9000 square cm
- C 810 square cm
- D 900 square cm

9 When might you have to use a calculator to figure out a square root? Choose the best answer.

- A When the number is over 100
- B When the number isn't a perfect square
- C When the number is less than 10
- D When the number is odd instead of even

10 You can find the square of any number by:

- A Dividing it by 2
- B Adding it to itself
- C Multiplying it by itself
- D Doubling it, then subtracting the original number