REMEMBER SQUARE ROOT ±

Directions: Select ALL the correct answers. Select all possible values for x.

 $x^2 = 300$

- 30√10
- $-30\sqrt{10}$
- $10\sqrt{30}$
- 10√3
- $-10\sqrt{30}$
- $-10\sqrt{3}$

Match the square roots with the correct numbers.

10

40.5

 $\sqrt{144}$

 $\sqrt{100}$

Evaluate the following expressions.

$$2 + 3\sqrt{49} =$$

$$3\sqrt{9} - 4\sqrt[3]{64} =$$

Simplify each of the following expressions.

Directions: Select all the correct answers.

Which of the following describes the positive solution to the equation below?

$$x^2 = 5$$

- The solution is a rational number.
- The solution is a repeating decimal.
- The solution is an irrational number.
- The solution is greater than two but less than three.
- The solution is greater than one but less than two.
- The solution is greater than zero but less than one.

The equation above has

When $x = -\sqrt[3]{11}$, x is $-\sqrt[3]{11}$ to the equation. When $x = -\sqrt{17}$, x is $-\sqrt[3]{11}$ to the equation.

When $x = \sqrt[3]{11}$, x is to the equation.

When $x = \frac{11}{3}$, x is to the equation.

$$x^3 = 11$$

 $x^2 = 17$

The equation above has

When $x = -\sqrt{34}$, x is to the equation.

When $x = \frac{17}{2}$, x is \blacksquare to the equation.

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