

Square root -

$$\sqrt{25}$$

Cube root -

$$\sqrt[3]{64}$$

Find $-\sqrt{16}$

- a. 8
- b. -8
- c. -4
- d. 4

Solve $x^2 = -49$

- a. not a real number
- b. 7 only
- c. both 7 and -7
- d. -7 only

Is $\sqrt{6}$ rational or irrational. Approximate its value to the nearest tenth.

- a. Irrational; about 2.3
- b. Irrational; about 2.4
- c. Rational; about 2.4
- d. Rational; about 2.3

Solve $x^3 = \frac{8}{27}$

- a. $\frac{2}{4}$
- b. $\frac{2}{3}$
- c. $\frac{3}{3}$
- d. $\frac{3}{4}$

A square rug covers 72 square feet of the floor. What is the approximate length of one side of the rug, rounded to the nearest foot?

- a. 8.49 feet
- b. 8.38 feet
- c. 8.59 feet
- d. 8.61 feet

A square rug covers 75 square feet of the floor. What is the approximate length of one side of the rug, rounded to the nearest foot?

- a. 8.66 feet
- b. 8.55 feet
- c. 8.56 feet
- d. 8.54 feet

Solve $x^3 = \frac{64}{125}$

- a. $\frac{5}{5}$
- b. $\frac{5}{4}$
- c. $\frac{4}{4}$
- d. $\frac{4}{5}$

Is $\sqrt{7}$ rational or irrational. Approximate its value to the nearest tenth.

- a. Irrational; about 2.6
- b. Rational; about 2.7
- c. Irrational; about 2.7
- d. Rational; about 2.6