

Mathematics: Rational and Irrational Numbers

Directions: Classify whether the number is rational or irrational.

1. $\sqrt{3}$

(A) irrational

(B) rational

2. $-\sqrt{25}$

(A) irrational

(B) rational

3. $-\frac{3}{4}$

(A) irrational

(B) rational

4. $3\frac{1}{7}$

(A) irrational

(B) rational

5. 8.011

(A) irrational

(B) rational

6. 8.21

(A) irrational

(B) rational

Directions: Find the square root. Give the answer in the simplest form.

7. $\sqrt{\frac{25}{36}}$

(A) 70

(C) 57

(B) 35

(D) 24

8. $\sqrt{\frac{8}{125}}$

(A) 1.01

(B) 1.18

(C) 1.03

(D) 1.21

9. $\sqrt{\frac{3}{5}}$

(A) 5

(C) 30

(B) .25

(D) 20

10. $\sqrt{\frac{8}{125}}$

(A) 38

(B) 14

(C) 202

(D) 153

11. $\sqrt{\frac{100}{18}}$

(A) 92

(C) 98

(B) 298

(D) 32

12. $\sqrt{\frac{4}{25}}$

(A) 202.5

(B) -18

(C) 18

(D) 25

STOP