



Radicals - Square - Simplify From Squared Factors, Values and Variables, Radical Remaining

1

Simplify the radical

$$\sqrt{3^2 \cdot 11 \cdot b}$$

A

$$3\sqrt{11b}$$

B

$$6\sqrt{8b^2}$$

C

$$5\sqrt{9b^2}$$

D

$$4\sqrt{11b}$$

E

$$6\sqrt{11b^2}$$

2

Simplify the radical

$$\sqrt{3^2 \cdot 7 \cdot n^2}$$

A

$$6n^3\sqrt{4}$$

B

$$2n\sqrt{10}$$

C

$$n^3\sqrt{4}$$

D

$$3n\sqrt{7}$$

E

$$n\sqrt{4}$$

3

Simplify the radical

$$\sqrt{2^2 \cdot 2^2 \cdot 11 \cdot n^2 \cdot n}$$

A

$$7n\sqrt{12n^3}$$

B

$$5n\sqrt{7n}$$

C

$$2n^3\sqrt{12n}$$

D

$$4n\sqrt{11n}$$

E

$$n\sqrt{9n}$$

4

Simplify the radical

$$\sqrt{2^2 \cdot 7 \cdot d}$$

A

$$\sqrt{6d}$$

B

$$\sqrt{3d}$$

C

$$\sqrt{9d}$$

D

$$2\sqrt{7d}$$

E

$$5\sqrt{10d}$$

5

Simplify the radical

$$\sqrt{2 \cdot 5^2 \cdot b^2}$$

A

$$2b^3$$

B

$$5b\sqrt{4}$$

C

$$5b^3$$

D

$$6b\sqrt{2}$$

E

$$5b\sqrt{2}$$

6

Simplify the radical

$$\sqrt{2^2 \cdot 3 \cdot m^2 \cdot m}$$

A

$$2m\sqrt{3m}$$

B

$$m^3\sqrt{m}$$

C

$$4m\sqrt{3m}$$

D

$$m^3\sqrt{3m}$$

E

$$m^2\sqrt{m}$$

7

Simplify the radical

$$\sqrt{2^2 \cdot 7 \cdot c^2 \cdot c}$$

A

$$2c\sqrt{7c}$$

B

$$c\sqrt{9c^3}$$

C

$$c\sqrt{4c}$$

D

$$4c\sqrt{3c}$$

E

$$3c^2\sqrt{3c^2}$$

8

Simplify the radical

$$\sqrt{5^2 \cdot 11 \cdot n^2}$$

A

$$2n\sqrt{12}$$

B

$$5n\sqrt{11}$$

C

$$2n\sqrt{13}$$

D

$$2n\sqrt{11}$$

E

$$5n^2\sqrt{10}$$