



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

1

Simplify the radical

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

- | | | | | |
|-----------------|-----------------|----------------|-----------------|---------------|
| A | B | C | D | E |
| $5d^2\sqrt{5d}$ | $d^4\sqrt{d^3}$ | $7d\sqrt{d^2}$ | $4d^2\sqrt{3d}$ | $d^3\sqrt{d}$ |

2

Simplify the radical

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

- | | | | | |
|------------------|------------------|------------------|---------------|------------------|
| A | B | C | D | E |
| $4b^2\sqrt{11b}$ | $2b\sqrt{14b^2}$ | $2b^3\sqrt{11b}$ | $6b\sqrt{7b}$ | $2b^3\sqrt{12b}$ |

3

Simplify the radical

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

- | | | | | |
|-------------------|---------------|---------------|-----------------|---------------|
| A | B | C | D | E |
| $6b^3\sqrt{6b^2}$ | $5b\sqrt{8b}$ | $5b\sqrt{5b}$ | $5b^3\sqrt{7b}$ | $4b\sqrt{3b}$ |

4

Simplify the radical

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

- | | | | |
|---|------------------|---|-------------------|
| A | $5n\sqrt{11n}$ | B | $3n\sqrt{14n^3}$ |
| C | $8n^3\sqrt{11n}$ | D | $n^3\sqrt{13n^3}$ |
| E | $8n\sqrt{7n^2}$ | | |

5

Simplify the radical

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

- | | | | | |
|------|----------------|----------------|----------------|-------|
| A | B | C | D | E |
| $5b$ | $3b^2\sqrt{2}$ | $4b^3\sqrt{4}$ | $2b^4\sqrt{5}$ | b^3 |

6

Simplify the radical

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

- | | | | | |
|-----------------|---------------|---------------|-----------------|----------------|
| A | B | C | D | E |
| $6c\sqrt{4c^2}$ | $5c\sqrt{5c}$ | $5c\sqrt{6c}$ | $7c\sqrt{2c^3}$ | $c\sqrt{4c^3}$ |

7

Simplify the radical

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

- | | | | | |
|---------------|--------------|--------------|---------------|------------|
| A | B | C | D | E |
| $4\sqrt{b^3}$ | $2\sqrt{2b}$ | $3\sqrt{3b}$ | $2\sqrt{b^3}$ | $\sqrt{b}$ |

8

Simplify the radical

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

- | | | | | |
|----------------|--------------|----------------|----------------|----------------|
| A | B | C | D | E |
| $6\sqrt{9y^3}$ | $4\sqrt{7y}$ | $5\sqrt{7y^2}$ | $2\sqrt{6y^3}$ | $4\sqrt{8y^2}$ |