



Radicals - Square - Simplifying from Factors, Values and Variables, Radical

Remaining

1

Simplify the radical

$$\sqrt{3 \cdot 5 \cdot 5 \cdot d \cdot d \cdot d \cdot d \cdot d}$$

A	B	C	D	E
$5d\sqrt{2d^3}$	$7d\sqrt{d^2}$	$3d^3\sqrt{d}$	$3d^2\sqrt{6d}$	$5d^2\sqrt{3d}$

2

Simplify the radical

$$\sqrt{3 \cdot 5 \cdot 5 \cdot m \cdot m \cdot m \cdot m}$$

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

3

Simplify the radical

$$\sqrt{3 \cdot 3 \cdot 11 \cdot n \cdot n \cdot n \cdot n}$$

A	B	C	D	E
$3n^2\sqrt{11}$	$n\sqrt{8}$	$n^3\sqrt{10}$	$2n^2\sqrt{11}$	$6n^4\sqrt{14}$

4

Simplify the radical

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

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

5

Simplify the radical

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

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

6

Simplify the radical

$$\sqrt{3 \cdot 3 \cdot 11 \cdot z \cdot z \cdot z \cdot z}$$

A	B	C	D	E
$4z\sqrt{9}$	$z^4\sqrt{13}$	$3z^2\sqrt{11}$	$3z^3\sqrt{9}$	$z^2\sqrt{12}$

7

Simplify the radical

$$\sqrt{5 \cdot 5 \cdot 5 \cdot n \cdot n \cdot n \cdot n \cdot n}$$

A	$7n^3\sqrt{8n}$	B	$5n^2\sqrt{5n}$
C	$n^4\sqrt{2n}$	D	$2n\sqrt{3n^3}$
E	$3n^3\sqrt{8n^2}$		

8

Simplify the radical

$$\sqrt{3 \cdot 3 \cdot 11 \cdot m \cdot m \cdot m \cdot m}$$

A	B	C	D	E
$2m\sqrt{8}$	$3m^2\sqrt{11}$	$6m\sqrt{14}$	$2m^3\sqrt{12}$	$m\sqrt{12}$