



Radicals - Cube - Simplify From Cubed Factors, Values and Variables, Radical

Remaining

1

Simplify the radical

$$\sqrt{5^2 \cdot 11 \cdot d \cdot y^2}$$

A	$5y\sqrt{11d}$	B	$5y^3\sqrt{8d^2}$
C	$6y\sqrt{14d}$	D	$2y^2\sqrt{11d}$
E	$3y\sqrt{10d^3}$		

2

Simplify the radical

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

A	B	C	D	E
$x^3b\sqrt{6}$	$4xb\sqrt{5}$	$4xb^2\sqrt{2}$	$7xb^2\sqrt{5}$	$6xb^2\sqrt{5}$

3

Simplify the radical

$$\sqrt{5^2 \cdot 7 \cdot b^2 \cdot b \cdot m}$$

A	$7b\sqrt{7b^2m^3}$	B	$3b\sqrt{10bm^2}$
C	$5b\sqrt{7bm}$	D	$b\sqrt{10bm}$
E	$6b^3\sqrt{7b^3m}$		

4

Simplify the radical

$$\sqrt{3 \cdot 5^2 \cdot y^2 \cdot y \cdot z^2}$$

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

5

Simplify the radical

$$\sqrt{2 \cdot 5^2 \cdot d^2 \cdot y^2}$$

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

6

Simplify the radical

$$\sqrt{2^2 \cdot 5 \cdot p^2 \cdot m^2 \cdot m}$$

A	$2p^2m^3\sqrt{4m^2}$	B	$p^3m^3\sqrt{8m}$
C	$2p^2m\sqrt{3m}$	D	$2pm\sqrt{5m}$
E	$5p^2m\sqrt{8m}$		

7

Simplify the radical

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

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

8

Simplify the radical

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

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