Name

Radicals - Cube - Simplifying from Factors, Values and Variables, Nothing Remaining

1 Simplify the radical

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

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

2 Simplify the radical

$$\sqrt{5 \cdot 5 \cdot p \cdot p \cdot p \cdot p \cdot y \cdot y \cdot y \cdot y}$$

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

3 Simplify the radical

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

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

4 Simplify the radical

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

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

5 Simplify the radical

$$\sqrt{2 \cdot 2 \cdot 2 \cdot 2 \cdot p \cdot p \cdot n \cdot n}$$

A	$3p^3n^3$	B	$4pn$
C	$3p^3n^2\sqrt{2}$	D	p^2n^3
E	$4p^2n^2\sqrt{3}$		

6 Simplify the radical

$$\sqrt{2 \cdot 2 \cdot n \cdot n \cdot m \cdot m \cdot m \cdot m}$$

A	B	C	D	E
$2nm^2$	$5n^3m^3$	nm^3	$3n^3m^3$	nm

7 Simplify the radical

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

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

8 Simplify the radical

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

A	B	C	D	E
$8m^2y\sqrt{3}$	$7my^2\sqrt{2}$	$5my$	$6m^2y$	$3my\sqrt{3}$