Name

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

1 Simplify the radical

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

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

2 Simplify the radical

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

A	B	C	D	E
$2\sqrt{5r}$	$\sqrt{2r^2}$	$\sqrt{r^2}$	$\sqrt{8r^3}$	$\sqrt{6r}$

3 Simplify the radical

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

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

4 Simplify the radical

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

A	B	C	D
x^2	$6x$	$5x\sqrt{2}$	$4x\sqrt{5}$

5 Simplify the radical

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

A	B
$3y^3\sqrt{8y}$	$6y\sqrt{11y}$
C	D
$8y^3\sqrt{9y^2}$	$5y\sqrt{11y}$

6 Simplify the radical

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

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

7 Simplify the radical

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

A	B	C	D
$3d\sqrt{7}$	$2d^3\sqrt{4}$	$d\sqrt{10}$	$d\sqrt{9}$

8 Simplify the radical

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

A	B	C	D
$6d^2\sqrt{3d^3}$	$3d\sqrt{3d}$	$d\sqrt{2d}$	$4d\sqrt{3d}$