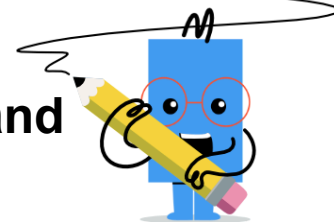




Radicals - Cube - Simplifying, Values and Variables, Radical Remaining



1 Simplify the radical

$$\sqrt{63b}$$

- | | | |
|--------------------|--------------------|-------------------|
| A
$4\sqrt{10b}$ | B
$3\sqrt{7b}$ | C
$\sqrt{10b}$ |
| D
$\sqrt{5b^2}$ | E
$\sqrt{3b^3}$ | |

2 Simplify the radical

$$\sqrt{44m^3}$$

- | | |
|----------------------|----------------------|
| A
$m\sqrt{13m^3}$ | B
$2m\sqrt{9m^3}$ |
| C
$m\sqrt{7m^3}$ | D
$2m\sqrt{11m}$ |
| E
$2m\sqrt{14m}$ | |

3 Simplify the radical

$$\sqrt{75c}$$

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

4 Simplify the radical

$$\sqrt{50z^2}$$

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

5 Simplify the radical

$$\sqrt{12y^3}$$

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

6 Simplify the radical

$$\sqrt{50n^3}$$

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

7 Simplify the radical

$$\sqrt{176n^3}$$

- | | |
|-------------------------|-----------------------|
| A
$n^2\sqrt{12n}$ | B
$4n\sqrt{11n}$ |
| C
$3n^3\sqrt{14n^3}$ | D
$5n\sqrt{10n^2}$ |
| E
$7n\sqrt{11n^2}$ | |

8 Simplify the radical

$$\sqrt{176r}$$

- | | | |
|----------------------|----------------------|---------------------|
| A
$3\sqrt{11r^2}$ | B
$\sqrt{13r^2}$ | C
$3\sqrt{8r^2}$ |
| D
$4\sqrt{11r}$ | E
$6\sqrt{10r^3}$ | |