



## Radicals - Square - Simplify From Squared Factors, Values and Variables, Nothing Remaining

**1** Simplify the radical

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

- A  $r^3$  B  $5r^2$  C  $5r^4$  D  $3r^2$  E  $r^2$

**2** Simplify the radical

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

- A  $4z^3$  B  $z^3\sqrt{2}$  C  $2z^2$  D  $z^2$  E  $z\sqrt{4}$

**3** Simplify the radical

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

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

**4** Simplify the radical

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

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

**5** Simplify the radical

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

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

**6** Simplify the radical

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

- A  $b^3\sqrt{3}$  B  $3b^4\sqrt{3}$  C  $3b^2$  D  $b$

**7** Simplify the radical

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

- A  $4y^2$  B  $6y$  C  $5y$  D  $y$  E  $6y^3$

**8** Simplify the radical

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

- A  $8p^3\sqrt{3}$  B  $4p^3$  C  $5p$   
D  $7p\sqrt{4}$