



Radicals - Multiplying Monomials (Values and Variables)

1 Multiply the radical expressions and simplify the answer

$$\sqrt{48t^2} \cdot \sqrt{3t}$$

- A $60t\sqrt{t}$ B $12t^2$ C $12t$ D $12t\sqrt{t}$

2 Multiply the radical expressions and simplify the answer

$$\sqrt{7z^3} \cdot \sqrt{175z^3}$$

- A $35z^3$ B $35z^4$ C $35z^2$ D $35z^3\sqrt{z}$

3 Multiply the radical expressions and simplify the answer

$$\sqrt{80p} \cdot \sqrt{5p^4}$$

- A $20p^3\sqrt{p}$ B $20p^2$ C $20p^3$ D $20p\sqrt{p}$ E $20p^2\sqrt{p}$

4 Multiply the radical expressions and simplify the answer

$$\sqrt{125r^3} \cdot \sqrt{5}$$

- A $25r$ B $25r^2$ C $r\sqrt{r}$ D $25r\sqrt{r}$

5 Multiply the radical expressions and simplify the answer

$$\sqrt{32r^4} \cdot \sqrt{2}$$

- A $8r$ B $32r^2$ C $8r^2$

6 Multiply the radical expressions and simplify the answer

$$\sqrt{8} \cdot \sqrt{2z^2}$$

- A $4z\sqrt{3}$ B $4z$ C $4z\sqrt{z}$

7 Multiply the radical expressions and simplify the answer

$$\sqrt{20x} \cdot \sqrt{5x}$$

- A $10x$ B $10\sqrt{x}$ C x

8 Multiply the radical expressions and simplify the answer

$$\sqrt{75p^2} \cdot \sqrt{3}$$

- A p B $15p$ C 15 D $15\sqrt{p}$