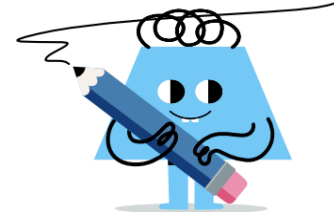




Radicals - Multiplying Monomials with Binomials (Values and Variables)



1 Multiply the radical expressions and simplify the answer

$$(b\sqrt{11} - b^2\sqrt{11}) \cdot b^2\sqrt{5}$$

A $b^3\sqrt{55} - 5b^4\sqrt{55}$

B $b^3\sqrt{55} - b^6\sqrt{55}$

C $b^3\sqrt{55} - b^4\sqrt{55}$

D $b^2\sqrt{55} - b^4\sqrt{55}$

E $b^3\sqrt{55} - b^4$

2 Multiply the radical expressions and simplify the answer

$$\sqrt{13z} \cdot (\sqrt{3z} - z^2\sqrt{2})$$

A $z^2\sqrt{39} - z^2\sqrt{26z}$

B $z\sqrt{39} - z^3\sqrt{26z}$

C $z\sqrt{39} - z^2\sqrt{26z}$

D $z\sqrt{39} - z^3\sqrt{26}$

3 Multiply the radical expressions and simplify the answer

$$(b\sqrt{2b} + b^2\sqrt{5}) \cdot b^2\sqrt{13}$$

A $b^3\sqrt{26} + b^4\sqrt{65}$

B $b^3\sqrt{26b} + b^4\sqrt{65}$

C $b^3\sqrt{26b} + b^2\sqrt{65}$

D $b^4\sqrt{26} + b^4\sqrt{65}$

4 Multiply the radical expressions and simplify the answer

$$(y^2\sqrt{3} + \sqrt{7}) \cdot \sqrt{11}$$

A $y^2 + \sqrt{77}$

B $y^2\sqrt{33} + 3\sqrt{77}$

C $y^2\sqrt{33} + \sqrt{77}$

D $y^2\sqrt{33} + 1$

5 Multiply the radical expressions and simplify the answer

$$\sqrt{2} \cdot (\sqrt{13m} - \sqrt{7})$$

A $\sqrt{26m} - \sqrt{14}$

B $\sqrt{26m} - 5\sqrt{14}$

C $\sqrt{26m} - 2$

D $\sqrt{26} - \sqrt{14}$

6 Multiply the radical expressions and simplify the answer

$$z\sqrt{2} \cdot (z\sqrt{11z} - \sqrt{3z})$$

A $z^2\sqrt{22z} - z\sqrt{6}$

B $z^2\sqrt{22z} - z\sqrt{6z}$

C $z^2\sqrt{22} - z\sqrt{6z}$

D $z^2\sqrt{22z} - z^2\sqrt{6z}$

E $z^2\sqrt{22z} - z^{-1}\sqrt{6z}$

7 Multiply the radical expressions and simplify the answer

$$(\sqrt{2} + c^2\sqrt{11}) \cdot c^2\sqrt{3}$$

A $c^2\sqrt{6} + c^4\sqrt{33}$

B $\sqrt{6} + c^4\sqrt{33}$

C $c^2\sqrt{6} + c^5\sqrt{33}$

D $c\sqrt{6} + c^4\sqrt{33}$

8 Multiply the radical expressions and simplify the answer

$$(n^2\sqrt{13} + \sqrt{3n}) \cdot n\sqrt{13}$$

A $13n + n\sqrt{39n}$

B $13n^3 + n\sqrt{39n}$

C $13n^3 + n\sqrt{39n^{-1}}$

D $n^3 + n\sqrt{39n}$

E $13n^3 + n^2\sqrt{39}$