

## mobius

## Radicals - Multiplying Binomials (Values Only)



Multiply the radical expressions and simplify the answer

$$(2+\sqrt{7})\cdot(\sqrt{2}+2)$$

2 Multiply the radical expressions and simplify the answer

$$\cdot (\sqrt{2} + 2) (5 - \sqrt{5}) \cdot (\sqrt{3} + 5)$$

A 
$$\sqrt{2} - \sqrt{14} + 4 + \sqrt{7}$$
 B  $\sqrt{14} - 2\sqrt{7}$  C  $3 + \sqrt{14} + 2\sqrt{7}$  D  $2\sqrt{2} + \sqrt{14} - 4 + \sqrt{7}$ 

C 
$$\sqrt{3} - \sqrt{15} + 1 - 5\sqrt{5}$$

$$\mathsf{E} \quad 2\sqrt{2} + \sqrt{14} + 4 + 2\sqrt{7}$$

E 
$$5\sqrt{3} - \sqrt{15} + 25 - 5\sqrt{5}$$

A  $5\sqrt{3} + 2\sqrt{15} + 25 - 5\sqrt{5}$ 

Multiply the radical expressions and 3 simplify the answer

4

6

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Multiply the radical expressions and simplify the answer

$$(5+\sqrt{5})\cdot(\sqrt{11}+2)$$

$$(5+\sqrt{5})\cdot(\sqrt{11}+2)(4+\sqrt{5})\cdot(\sqrt{13}+5)$$

Α	$5\sqrt{11} + \sqrt{55} + 10 + 2\sqrt{5}$	В	$5\sqrt{3} - \sqrt{55} + 10 + \sqrt{5}$
С	$5\sqrt{11}-\sqrt{55}+5+\sqrt{5}$	D	$\sqrt{11} + \sqrt{55} + 10 - 2\sqrt{3}$
E	$\sqrt{11}+\sqrt{55}+6$		

 $E 4\sqrt{13} + 20 + \sqrt{65} + 5\sqrt{5}$ 

D 
$$4\sqrt{13} + 1 + \sqrt{65} + 5\sqrt{5}$$

 $4\sqrt{13} + 21 + \sqrt{5}$ 

Multiply the radical expressions and 5 simplify the answer

Multiply the radical expressions and simplify the answer

$$(\sqrt{11}-3)\cdot(\sqrt{11}-4)(2-\sqrt{5})\cdot(5+\sqrt{5})$$

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

Α	$16-\sqrt{11}$	В	$13+\sqrt{11}$	Α	$2\sqrt{13}-3\sqrt{65}$	В	$10 - 5\sqrt{5} +$
С	$15-7\sqrt{11}$	D	$23-7\sqrt{11}$	C 1	$1-5\sqrt{5}+4\sqrt{13}+\sqrt{65}$	D	$20 - \sqrt{5} + 2$
Е	$23+3\sqrt{11}$			E	$5-2\sqrt{13}-\sqrt{65}$		

 $+2\sqrt{13}-\sqrt{65}$  $2\sqrt{13} - \sqrt{65}$ 

Multiply the radical expressions and simplify the answer

Multiply the radical expressions and simplify the answer

$$(2-\sqrt{2})\cdot(\sqrt{11}+4)$$

$$(2) \cdot (\sqrt{11} + 4) (\sqrt{5} + 3) \cdot (\sqrt{5} - 3)$$

Α	$2\sqrt{11} + 8 - \sqrt{22} - 4\sqrt{2}$	B $\sqrt{11} + 1 - \sqrt{22} - 4\sqrt{2}$	А	-1	В	$1+4\sqrt{5}$	
С	$2\sqrt{11}-6+\sqrt{2}$		С	-4	D	$5+2\sqrt{5}-9\sqrt{2}$	
E	$2\sqrt{11}+9+4\sqrt{2}$		E	$-4+4\sqrt{5}$			

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