Name

Radicals - Multiplying Binomials (Values Only)

1 Multiply the radical expressions and simplify the answer

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

A	$7-\sqrt{91}+3\sqrt{14}-2\sqrt{26}$	B	$7-\sqrt{91}+\sqrt{14}-\sqrt{26}$
C	$1-\sqrt{91}+\sqrt{14}-\sqrt{26}$	D	$9-\sqrt{91}+\sqrt{26}$

2 Multiply the radical expressions and simplify the answer

$$(\sqrt{7}-\sqrt{13})\cdot(\sqrt{5}+\sqrt{5})$$

A	$2\sqrt{35}$	B	$2+\sqrt{35}$
C	$\sqrt{35}+1$	D	$1-4\sqrt{35}$

3 Multiply the radical expressions and simplify the answer

$$(\sqrt{5}+\sqrt{13})\cdot(\sqrt{7}+\sqrt{13})$$

A	$\sqrt{35}+14-\sqrt{91}$	B	$\sqrt{35}-\sqrt{65}+\sqrt{91}+13$
C	$\sqrt{35}+\sqrt{65}+15$	D	$4\sqrt{35}+\sqrt{65}+\sqrt{91}-13$
E	$\sqrt{35}+\sqrt{65}+\sqrt{91}+13$		

4 Multiply the radical expressions and simplify the answer

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

A	$\sqrt{91}+\sqrt{26}-5\sqrt{14}-2$	B	$\sqrt{91}-\sqrt{26}-\sqrt{14}+4$
C	$\sqrt{91}-\sqrt{26}-\sqrt{14}+2$	D	$\sqrt{91}-5\sqrt{26}+3$
E	$\sqrt{91}-5\sqrt{26}-\sqrt{14}-2$		

5 Multiply the radical expressions and simplify the answer

$$(\sqrt{7}-\sqrt{3})\cdot(\sqrt{3}-\sqrt{5})$$

A	$\sqrt{21}-\sqrt{35}-3+\sqrt{15}$	B	$5\sqrt{21}-\sqrt{35}+3+3\sqrt{15}$
C	$2+3-\sqrt{15}$	D	$\sqrt{21}+\sqrt{35}-3+\sqrt{15}$
E	$\sqrt{21}-\sqrt{35}-2$		

6 Multiply the radical expressions and simplify the answer

$$(\sqrt{13}+\sqrt{3})\cdot(\sqrt{3}-\sqrt{5})$$

A	$5+\sqrt{65}+\sqrt{15}$	B	$\sqrt{39}+3-\sqrt{65}-\sqrt{15}$
C	$4+\sqrt{65}+\sqrt{15}$	D	$\sqrt{39}+12-\sqrt{65}+\sqrt{15}$
E	$\sqrt{39}-\sqrt{2}+\sqrt{65}-\sqrt{15}$		

7 Multiply the radical expressions and simplify the answer

$$(\sqrt{3}-\sqrt{13})\cdot(\sqrt{5}-\sqrt{7})$$

A	$3\sqrt{15}-\sqrt{65}-\sqrt{21}+\sqrt{91}$	B	$\sqrt{15}-3\sqrt{65}-1+\sqrt{91}$
C	$\sqrt{15}-\sqrt{65}-\sqrt{21}+\sqrt{91}$	D	$\sqrt{15}-\sqrt{65}-\sqrt{2}+\sqrt{91}$
E	$\sqrt{15}-\sqrt{65}$		

8 Multiply the radical expressions and simplify the answer

$$(\sqrt{7}-\sqrt{2})\cdot(\sqrt{2}-\sqrt{3})$$

A	$\sqrt{14}+\sqrt{6}$	B	$2\sqrt{14}-1+\sqrt{21}$
C	$4\sqrt{14}-2-\sqrt{21}+\sqrt{6}$	D	$\sqrt{14}-2-\sqrt{21}+\sqrt{6}$