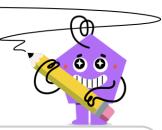


3

## mobius

## **Radicals - Multiplying Monomials with Binomials (Values and Variables)**

4



Multiply the radical expressions and

**2** 
$$(3ry\sqrt{11ry} - r^2y^2\sqrt{7}) \cdot y^2\sqrt{11r}$$

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

Multiply the radical expressions and simplify the answer

Α	$y^3b\sqrt{55}+25yb^2\sqrt{y}$	В	$y^2b\sqrt{55}+25y\sqrt{y}$
С	$y^2b\sqrt{55}+25yb^2\sqrt{y}$	D	$y^2b\sqrt{55}+25y^2b^2\sqrt{y}$

Multiply the radical expressions and simplify the answer

Multiply the radical expressions and simplify the answer

$$\left| n\sqrt{11}\cdot (n^2\sqrt{3} + 2nd\sqrt{11nd}) \right|$$

$$n\sqrt{11}\cdot (n^2\sqrt{3}+2nd\sqrt{11nd})(\sqrt{7r}+2yr^2\sqrt{2y})\cdot y^2r\sqrt{11r}$$

Α	$n^3\sqrt{33} + 22n^2d\sqrt{nd^{-1}}$	В	$n^3\sqrt{33}+22n^2d\sqrt{nd}$
С	$n\sqrt{33} + 22n^2d\sqrt{nd}$	D	$n^3\sqrt{33}+22n^2d^2\sqrt{nd}$
E	$n^3\sqrt{33}+11n^2d\sqrt{nd}$		

Multiply the radical expressions and 5 simplify the answer

Multiply the radical expressions and simplify the answer

$$rd^2\sqrt{2r}\cdot (5d\sqrt{2rd}+r\sqrt{7})$$

$$rd^2\sqrt{2r}\cdot (5d\sqrt{2rd}+r\sqrt{7})b\sqrt{13yb}\cdot (3y^2\sqrt{11b}+\sqrt{7})$$

Α	$10rd^3\sqrt{d}+r^2d^2\sqrt{14r}$	В	$10r^2d^3\sqrt{d}+r^2d^2\sqrt{r}$
С	$10r^2d^3\sqrt{d}+r^2d^2\sqrt{14r}$	D	$10r^2d^3\sqrt{d}+r^2d^2\sqrt{14}$

Multiply the radical expressions and 7 simplify the answer

**8** 
$$mn\sqrt{13mn}\cdot(2mn^2\sqrt{2m}+\sqrt{7m})$$

$$(2d^2n^2\sqrt{3}+dn^2\sqrt{2})\cdot dn\sqrt{5}$$

Multiply the radical expressions and simplify the answer

Α	$2d^3n^3\sqrt{15}+n^3\sqrt{10}$	В	$2d^3n^3\sqrt{15}+d^2n^3\sqrt{10}$
С	$2d^3n^3\sqrt{15} + d^2n^4\sqrt{10}$	D	$2d^3n^3\sqrt{15} + 5d^2n^3\sqrt{10}$
E	$2d^2n^3\sqrt{15}+d^2n^3\sqrt{10}$		

Α	В	С	D	E
$2m^3n^4\sqrt{26n}+m^2n\sqrt{91n}$	$2mn^3\sqrt{26n}+m^2n\sqrt{91n}$	$2m^3n^3\sqrt{26n}+m^2n\sqrt{91n}$	$2m^4n^3\sqrt{26n}+m^2n\sqrt{91n}$	$m^3n^3\sqrt{26n}+m^2n\sqrt{91n}$