



## Multiplying Monomials



Simplify each expression.

1)  $2xy \times (-4z) =$

2)  $4(8p \times p^2) =$

3)  $6xy \times (-3z) =$

4)  $4(5a \times 7) =$

5)  $10x^2y^3 \times 3y =$

6)  $(-6b^2 \times a)(4b) =$

7)  $x(3x) =$

8)  $(6m^2 \times n)(n^2 \times 3m) =$

9)  $(3u)(uv^5) =$

10)  $(3x^4 \times 2x^4) \times y^2 =$

11)  $3m^2n^3mn^2 =$

12)  $-9x^7(8x^5) =$

13)  $7x^2 \times 6x^3 =$

14)  $(5x^2y)x^2yz =$

15)  $-3x^4 \times 6x^9 =$

16)  $4xy^3 \times (-5yx) =$

17)  $4x^2y^2z^3 \times 3x^2y^4 =$

18)  $12y^3z^4 \times (-y^6z) =$

19)  $y^2z^2 \times x^2y^5 =$

20)  $5ab^4 \times 3ba^4 =$



QUIZ ?

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## Multiplying Monomials

### Answers



Simplify each expression.

$$1) 2xy \times (-4z) = -8xyz$$

$$2) 4(8p \times p^2) = 32p^3$$

$$3) 6xy \times (-3z) = -18xyz$$

$$4) 4(5a \times 7) = 140a$$

$$5) 10x^2y^3 \times 3y = 30x^2y^4$$

$$6) (-6b^2 \times a)(4b) = -24ab^3$$

$$7) x(3x) = 3x^2$$

$$8) (6m^2 \times n)(n^2 \times 3m) = 18m^3n^3$$

$$9) (3u)(uv^5) = 3v^5u^2$$

$$10) (3x^4 \times 2x^4) \times y^2 = 6x^8y^2$$

$$11) 3m^2n^3mn^2 = 3m^3n^5$$

$$12) -9x^7(8x^5) = -72x^{12}$$

$$13) 7x^2 \times 6x^3 = 42x^5$$

$$14) (5x^2y)x^2yz = 5x^4y^2z$$

$$15) -3x^4 \times 6x^9 = -18x^{13}$$

$$16) 4xy^3 \times (-5yx) = -20x^2y^4$$

$$17) 4x^2y^2z^3 \times 3x^2y^4 = 12x^4y^6z^3$$

$$18) 12y^3z^4 \times (-y^6z) = -12y^9z^5$$

$$19) y^2z^2 \times x^2y^5 = x^2y^7z^2$$

$$20) 5ab^4 \times 3ba^4 = 15a^5b^5$$

