

Distributive Law of Multiplication Practice

Name: _____

Date: _____

Question 1

Distribute

I. $9(4 + 7 + 9) =$

IV. $2(8 - 2 - 3) =$

II. $-11(x^2 + 4x - 7) =$

V. $4.5(1.5x^3 + 4) =$

III. $5(y^2 + 8y - 3x) =$

VI. $2(xy + y - x) =$

Distributive Law of Multiplication Practice

Name: _____ **Key** _____

Date: _____

Question 1

Distribute

I. $9(4 + 7 + 9) = 180$

↓ distributive law

$$36 + 63 + 81 = 180$$

IV. $2(8 - 2 - 3) = 6$

↓ distributive law

$$16 - 4 - 6 = 6$$

II. $-11(x^2 + 4x - 7) = -11x^2 - 44x + 77$

↓ distributive law

$$-11x^2 - 44x + 77$$

V. $4.5(1.5x^3 + 4) = 6.75x^3 + 18$

↓ distributive law

$$6.75x^3 + 18$$

III. $5(y^2 + 8y - 3x) = 5y^2 + 40y - 15x$

↓ distributive law

$$5y^2 + 40y - 15x$$

VI. $2(xy + y - x) = 2xy + 2y - 2x$

↓ distributive law

$$2xy + 2y - 2x$$