



Terms are separated by "+" and "-" signs.





How many terms?

$$4x-5y+q$$

3

$$5(x-3y)$$

2

$$\frac{3x-4}{5}$$

2

$$= \underbrace{\frac{3x}{5}}_{-4} - \underbrace{\frac{4}{5}}_{-5}$$

Bonus: How many terms? 3x+4y-5x-2y+x

$$= 3x-5x+1x+4y-3y$$

$$= -1x+3y$$

$$\sqrt{= -x+3y}$$

$$3 \text{ terms}$$

$$\sqrt{= 3y-x}$$



Simplify:

$$2x - 7 + 3x^2 - 5x - 2 - 2x^2$$

$$= -3x - 9 + 1x^{3}$$

$$= 1x^{3} - 3x - 9$$

$$= x^{3} - 3x - 9 (3 + 1)$$



Simplify
$$4mn(2m-2n-1)$$

Simplify:
$$5x^2y^3(2x^3y^2z + 3xy - 1)$$

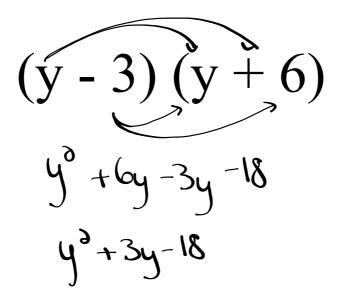
 $10x^{3}x^3y^{3}z^2 + 15x^{3}y^{3} - 5x^3y^3$
 $10x^5y^5z + 15x^3y^4 - 5x^3y^3$

Simplify:

$$(x-4)(x+2)$$

$$x^3+3x-4x-8$$

$$x^3-3x-8$$



$$(w - 5)(w + 7)$$

 $w^{3} + 7w - 5w - 35$
 $w^{3} + 3w - 35$



$$3n^4(5m^3n - 10m^2n^2)$$

$$= 15m^{3}n^{5} - 30m^{3}n^{6}$$

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$$(x+4)(x-3) \xrightarrow{\text{First}} 0 \Rightarrow \text{Outside}$$

$$= x^3 - 3x + 4x - 10$$

$$= x^3 + 1x - 10$$

$$= x^3 + x - 10$$

$$4x(2x + 1) - 2x (3x - 3)$$

$$= 8x^{3} + 4x - 6x^{3} + 6x$$

$$= 2x^{3} + 10x$$

Ultimate Question

$$= 6x^{3} - 8x^{3} + 3x - 6x^{3} + 8x - 3$$

$$= 6x^{3} - 14x^{3} + 10x - 3$$