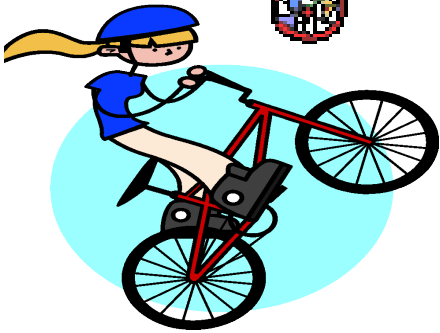


Polynomials





Monomial 1 term



Binomial 2 terms



Trinomial 3 terms

How are terms separated?????



Terms are separated by “+” and “-“ signs.

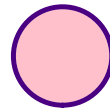




How many terms?

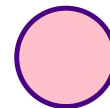
$$4x - 5y + q$$

3



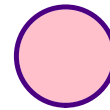
$$5(x - 3y)$$

2



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

2



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

Bonus:

How many terms?

$$3x + 4y - 5x - 2y + x$$

$$= -1x + 2y$$

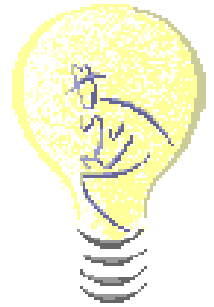
2 Terms.



Simplify:

$$\boxed{2x} - \boxed{7} + \underline{\underline{3x^2}} - \boxed{5x} - \boxed{2} - \underline{\underline{2x^2}}$$

$$= x^2 - 3x - 9$$

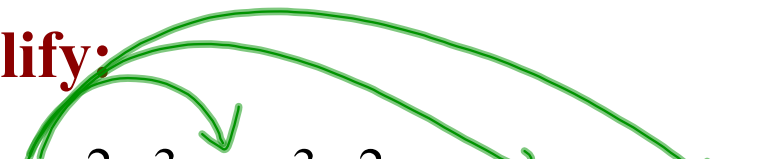


Simplify

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

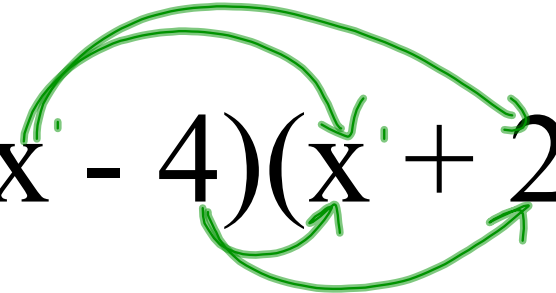
$$= 8m^2n - 8mn^2 - 4mn$$

Simplify:


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

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

Simplify:

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


$$= x^2 + \underline{2x} - \underline{4x} - 8$$

$$= x^2 - 2x - 8$$

$$(\cancel{y} - 3)(\cancel{y} + 6)$$

$$y^2 + \underline{6y} - \underline{3y} - 18$$

$$= y^2 + 3y - 18$$

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

$$w^2 + \underline{7w} - \underline{5w} - 35$$

$$= w^2 + 2w - 35$$



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

$$15n^5m^3 - 30n^6m^2$$

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

$$x^2 - \underline{3x} + \underline{4x} - 12$$

$$x^2 + 1x - 12$$

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

$$\underbrace{8x^2 + 4x} - \underbrace{6x^2 + 6x}$$

$$= 2x^2 + 10x$$

Ultimate Question

$$(\cancel{2x} - 2) (3x^2 - \cancel{4x} + 1)$$


$$6x^3 - 8x^2 + \underline{2x} - \underline{6x^2} + \underline{8x} - 2$$
$$= 6x^3 - 14x^2 + 10x - 2$$

