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

5x-15y

$\frac{3x-4}{5}$ 2

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

Bonus: How many terms?

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

$= -x + 2y$

2 Terms

Simplify:

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

$$-3x - 9 + x^2$$

3 Terms

Simplify

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

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

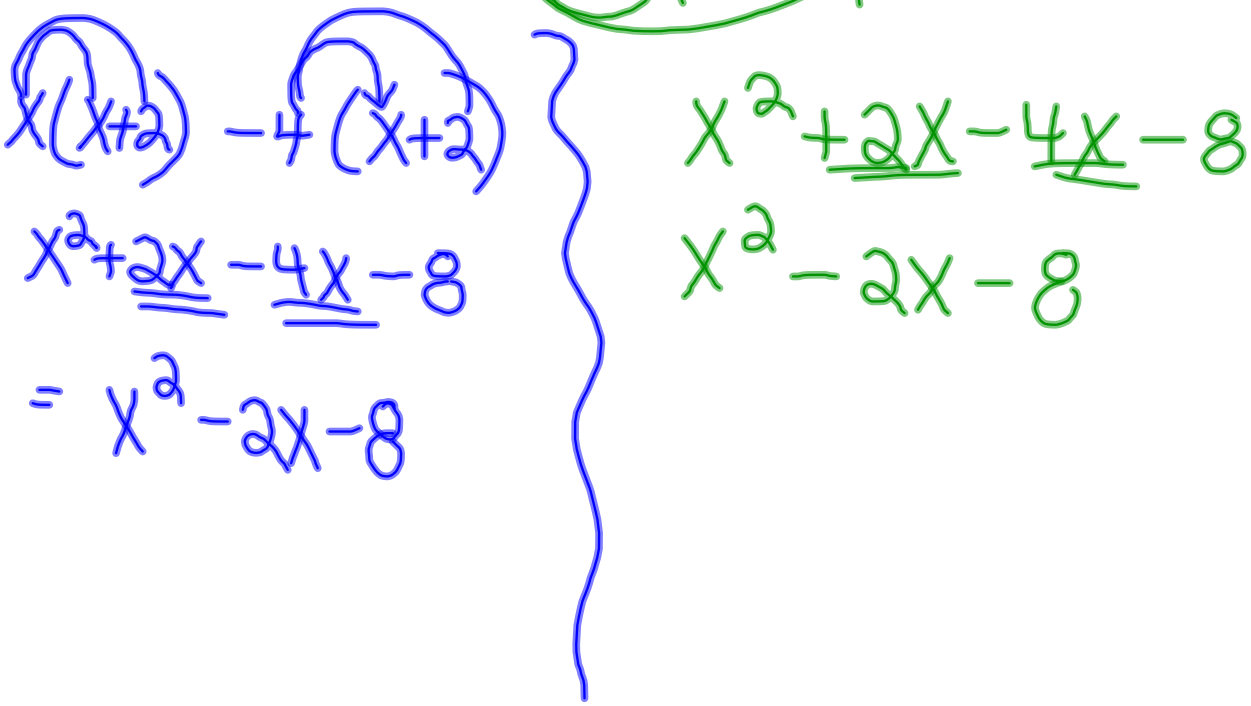
Simplify:

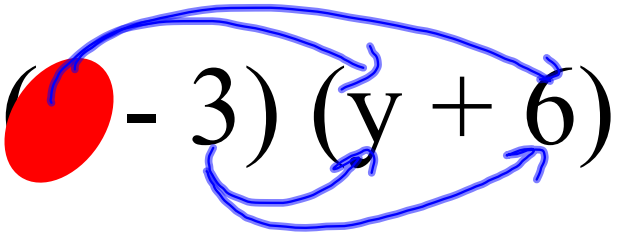
$$5x^2y^3(2x^3y^2z' + 3xy' - 1)$$

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

Simplify:

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





$y^2 + 6y - 3y - 18$

$= y^2 + 3y - 18$

$w^2 + 7w - 5w - 35$

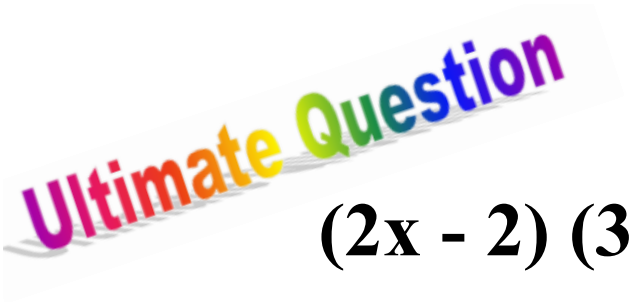
$= w^2 + 2w - 35$


Time for you
to try some
on your own.

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

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

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



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