

Chapter 7

Polynomials

Are we the same?

x^2

No. You have an exponent.

x

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7.1 Words to Know

Match each definition to its term, then drag over an example from the bottom of the screen

- term:** - terms that have perfectly matching letter parts
- polynomial:** - terms that DO NOT have perfectly matching letter parts
- like terms:** - could be a plain number, or letter or number/letter combination
- unlike terms:** - an algebra statement made up of many terms separated by + and -

5c
 $-2x^2$
12x
 $0.5x^2$
y
8

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Special Names

	# of terms	Special Name
$3x$		
$-5x^2 + 8$		
$6w^2 + 8w - 12$		
$m^3 - 2m^2 + 4m + 7$		

If you have TWO or MORE terms, it can be simply called a POLYNOMIAL (many terms)

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Simplify the following:

- the term simplify means to group and total your like terms

a) $5 - 2 + 9 - 1$

c) $-4x + 6 + 7x$

b) $10x - 4x + 1x - 8x$

d) $2x^2 - 8x - 4x^2 + 3x$

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$$e) 4x^3 - 3x + 2 + 2x^3 - 2x + 5$$

$$f) y^2 - 4x + 3 - 2 + 5x - 4y^2$$

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