

Polynomial Vocabulary

Terms: Are separated by a + or –

Ex.

Polynomial: expression with one or more terms

Ex.

Variable: An unknown quantity, usually written as a letter

Coefficient: the number multiplying a variable

Constant: A number without a variable

Like terms: terms with the same variables *and* same exponents

	$5y + 1$	$-3x - 2x^2 + x^2$	$-7t + 3k^4 - k^2 + 5t - 2$
How many terms are there in this polynomial?			
What variables are in this polynomial?			
What are the coefficients ?			
What is the constant ?			
List the like terms in each polynomial			
Simplify the polynomial by combining like terms			

Write down polynomials with 2 terms when simplified using the variable 'y'

Write down polynomials with 3 terms when simplified using the variable 'b'. Make sure they have a coefficient of -3 and a constant of -4

**Write down 2 like terms for $3b$
Add them together and simplify**

**Write down 2 like terms for $-7x^2$
Add them together and simplify**

HW: Section 5.1 #6(all), 7(a-g), 8 (a-h), 9(all)

Remember: We can only combine when the tiles have the same shape (like terms)



Positive 1
 $+1$



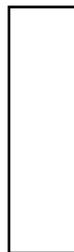
Positive x
 $+x$



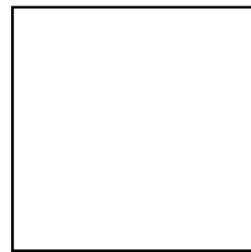
Positive x^2
 $+x^2$



Negative 1
 -1



Negative x
 $-x$



Negative x^2
 $-x^2$