Topic: 5.1 Modelling	Name:				
Polynomials	Class: Math 9				
	Date:				
Questions/Main Ideas:	Notes:				
Learning Intention	Model, write, and classify polynomials.				
First, a review.	Polynomials are used in business, science, medicine, and engineering.				
	A polynomial is one term or the sum or difference of terms whose variables have whole-number exponents.				
	Type of term		Example		
	Monomial (on			or -23y or	
	Binomial (two			$\frac{x^2+2x}{2x}$ or -	
Degree: The term with the greatest exponent	Trinomial (thr	,		or $-4y + 3x$	
determines the degree	Polynomial (one or more All of the above plus many more terms)			more	
of the polynomial.					
Examples:	The following are NOT polynomials because the exponent is not a whole 1 1 1				
3x ² – 2x + 5 Degree 2	number. Example: $4x^{-2}$ or $\frac{1}{x^3}$ are not but $\frac{1}{3}x$ is!!				
-5x Degree 1					
-14 Degree 0	Polynomial	Constant	Coefficient(s) Variable(s)	Degree
	x + 4		X		
	-2x -8				
	$-x^{2}+4x$				
	$3x^2 + 4x - 3y$				
	22				
Representing					
polynomials with					
algebra tiles.		x ²		-x ²	
agebra mes.					
(btw the variable x could					
<u>also be any other letter)</u>	X			-X	
(in the text, positives are				-1	
yellow and negatives are				-	
red)					

Model the following	$3x^2 - 2x + 5$		
polynomials with			
algebra tiles:			
	$-5 + 6x + 3x^2$		
	$-5m + 6 + 3m^2$		
	$2x^2 - 8x + 2$		
Which polynomial			
does each group of			
algebra tiles			
represent?			
Next Step	p. 214 # 4, 5, 6, 9, 10, 12, 15, 20		