Math 9 5.1 - Modelling Polynomials		Name:		
There are different types of Poly	nomials, determined by	the number of TERMS i	n the expression:	
Monomials term:				
Binomials terms:				
Trinomials terms:				
Polynomials terms:				
The letter x is called a	and is used t	o represent the		
The DEGREE of a Polynomial is ed	qual to the	exponent in the	whole polynomial.	
Polynomial Type	Variable(s)	Coefficient(s)	Constant	Degree
<i>x</i> + 4				
-2p-8				
$-N^2 + 4N$				
$5y^2$				
$3x^2 - 2x + 1$				
22				
Polynomials are used for represe	enting math problems in	Business, Engineering,	Science, Medicine, etc	: .
e.g. The trinomial, $-t^2 + 10t + 1$, gives the height of a se	occer ball kicked in the	air, at any time, t .	
when $t=0$, the height	of the ball is:			
when $t = 5$, the height	of the ball is:			
Modelling Polynomials using	_	ld (College of an d Bankin)	/D: .::da Dala:ala	
Using Algebra Tiles can help us to Red/Black Tiles will be considered		•		
The dy black Thes will be considered	.u us ,	All other colours will be		·

The model is:

Sketch the *Algebra Tiles* model for: $-2x^2 - x + 3$

Sketch the Algebra Tile models for the following polynomials:

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

$$-5 + 6x + x^2$$

$$-5m+6$$

$$2p^2-8p$$

Determine the algebraic form of the polynomial represented by each of the following *Algebra Tile* models:











