Warm Up

Copy warm-ups into your notebooks

1) Classify the following polynomials as either monomials, binomial or trinomial

Monomial $9x^2y$

$v + 2t$ binomial

Monomial 11

n monomial

trinomial $k - 7 + b$

$3 + g^{10}$ binomial

2) What is the degree of the following polynomial? 15

$$8x^5 - 6 + 10x^1 - 9x^{15} + 10x^{14}$$

3) Rewrite the above in descending order

$-9x^{15} + 10x^{14} + 8x^5 + 10x^1 - 6$

4) Fill in the following chart:

Expression	Variable	Coefficient	Constant	Degree
$2x - 8$	x	2	-8	1
$5x^4 + 7y - 2$	x, y	5; 7	-2	4
12	∅	∅	12	0

Warm Up

Copy warm-ups into your notebooks

1) Classify the following polynomials as either monomials, binomial or trinomial

M $9x^2y$

M 11

T $k - 7 + b$

$v + 2t$ B

n M

$3 + g^{10}$ B

2) What is the degree of the following polynomial? 15

$$8x^5 - 6 + 10x - 9x^{15} + 10x^{14}$$

3) Rewrite the above in descending order

$-9x^{15} + 10x^{14} + 8x^5 + 10x - 6$

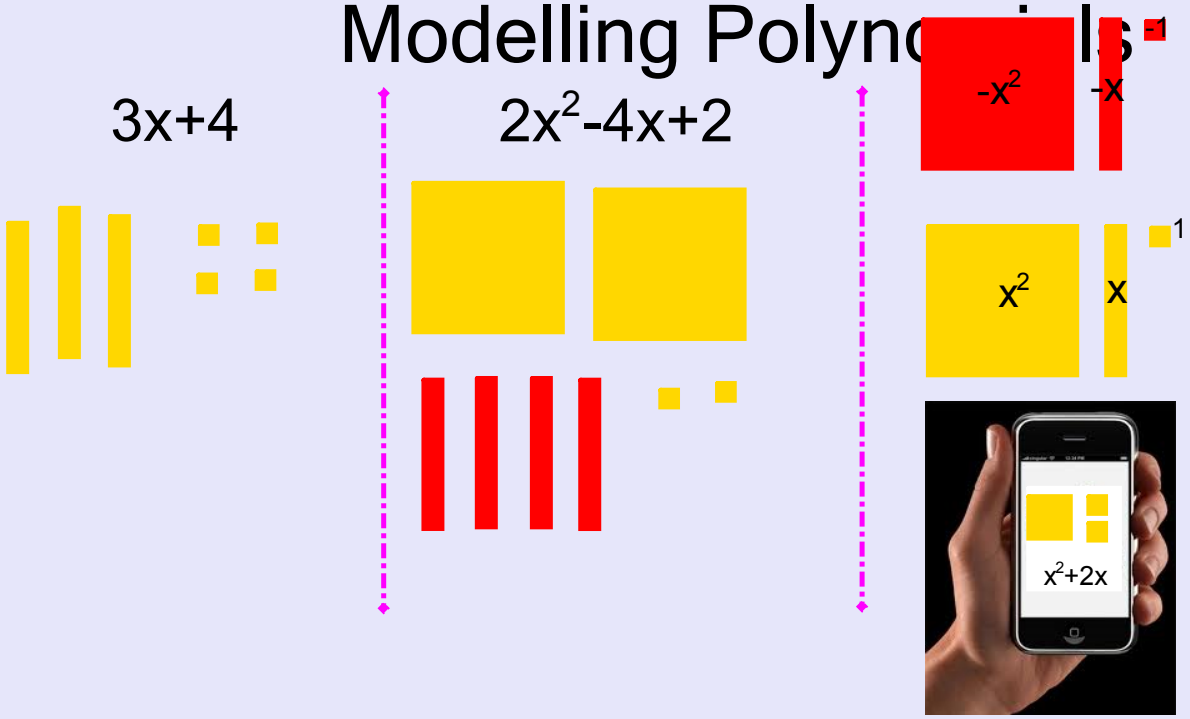
4) Fill in the following chart:

Expression	Variable	Coefficient	Constant	Degree
2x - 8	x	2	-8	1
$5x^4 + 7y - 2$	x ; y	5 ; 7	-2	4
12	0	~~0~~	12	0

Modelling Polynomials

$3x+4$

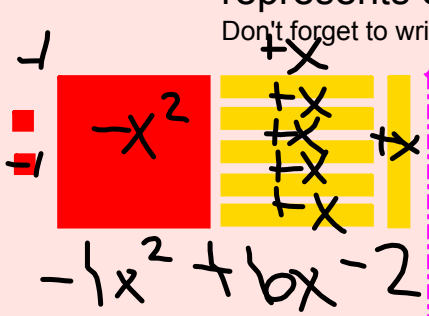
$2x^2-4x+2$



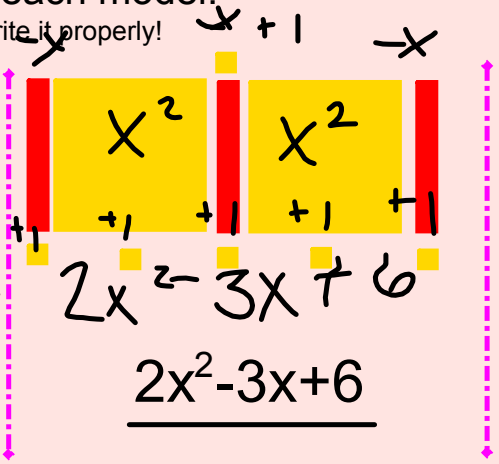
Modelling Polynomials

Write the algebraic expression that represents each model.

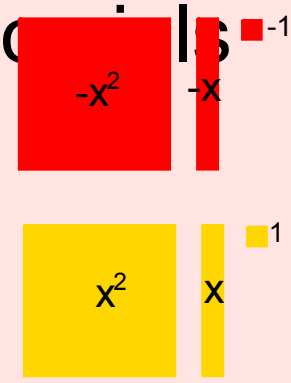
Don't forget to write it properly!

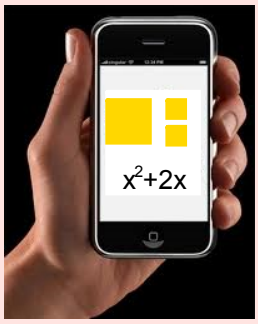


$-x^2+6x-2$



$2x^2-3x+6$

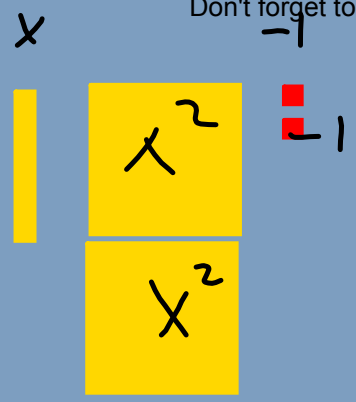




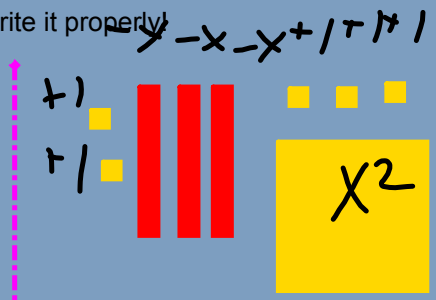
One More Time Modelling Polynomials

Write the algebraic expression that represents each model.

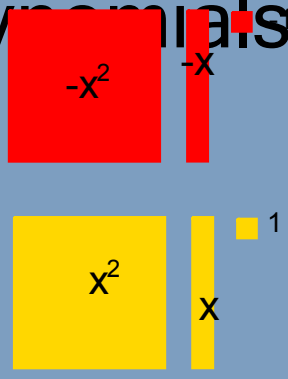
Don't forget to write it properly!



$2x^2+x-2$

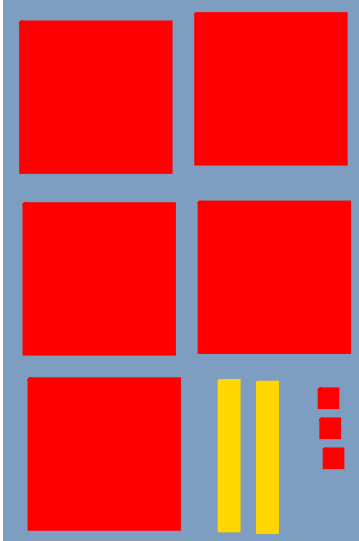


x^2-3x+5

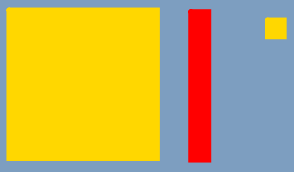


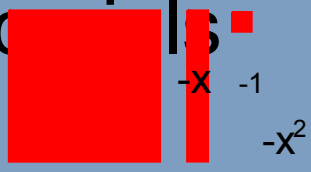
Modelling Polynomials

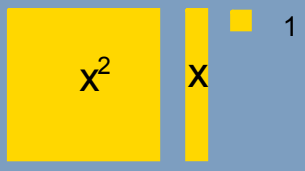
$-5x^2 + 2x - 3$



$x^2 - x + 1$







Terms with polynomials

Remember:

Monomial: one term

Binomial: two terms

Trinomials: three terms

Variables: Letters

Coefficients: Numbers out in front of letters

Constant: the number all by itself

Degree: the highest exponent on a variable

Class/ Homework

Check out pages 214 - 216

Page 214

Questions: 4 to 7

8 (hint write all in descending order)

9 (set up a chart)

10

11 abc

12 (Sketch the tiles and put expression beside it)

13 adeh (Sketch the tiles and put expression beside it)

14 ac