

Warm-Up

December 7, 2015

Polynomial	Monomial, Binomial or Trinomial?	# in front Variable Coefficient[s]	highest exponent Degree	just a number Constant
	1 term 2 term 3 terms			
A. $-3x^3$	Monomial	-3	3	none
B. $9r^2 - 7 + 9r$	binomial	9	1	-7
C. $-3y^2 - 4y + 6$ $-4y - 3y^2 + 6$	trinomial	-3, -4	2	6

Polynomial	# of Terms	Classify Type	Constant	Degree	Coefficient
A. -4	1	Monomial	-4	0	none
B. -2x+3	2	Binomial	3	1	-2
C. $2x-3+4x^2$ $4x^2+2x-3$	3	trinomial	-3	2	2, 4
D. $-6x^1$	1	monomial	none	1	-6

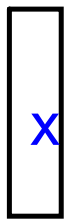
Algebra Tiles


Legend

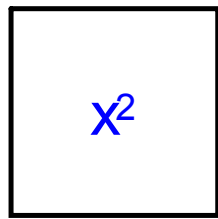
yellow → positive
red → negative

 constant **Unshaded Positive**

 -1 **Shaded negative**

 x degree 1

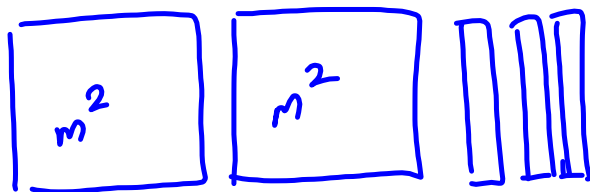
 -x

 x² degree of 2

 -x²

Using algebra tiles model...

$$2m^2 + 3m'$$



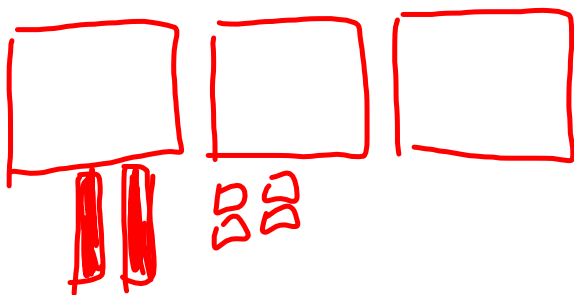
Classify polynomial

Binomial

Degree

2

$$3r^2 - 2r + 4$$



Classify polynomial

trinomial

Degree

2

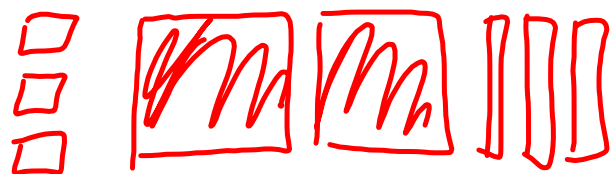
$$-2x^2 + 3x - 3$$



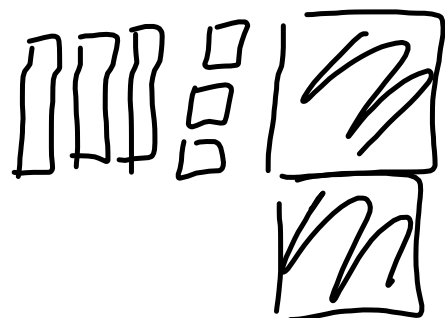
Classify
trinomial
Degree
2

Does order Matter ? Show using algebra tiles.

a) $3 - 2x^2 + 3x$



b) $3x + 3 - 2x^2$



* Rewrite from highest to lowest degree

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

How are polynomials written???



A **polynomial** is usually written in **descending** order by degree!

[Highest \rightarrow lowest]

Write in descending order:

$$\begin{aligned} & -2x^3 + 4x - 6x^2 + 4 \\ & \quad -2x^3 - 6x^2 + 4x + 4 \end{aligned}$$

Page 214

4, 5, 6, 7....copy the question then answer

8 ...rearrange in descending order first

9 [use a chart]

11

12 write the polynomial then draw matching algebra tiles