Name: _____ Date: _____

Math 9A Journal Entries

Learning Guide's 4&5

Expectation 1: Demonstrate an Understanding of Polynomials

Use the purple boxes on pages 174 to 176 to help you define and give an example of the following terms.

Term - _____

Example of a Term- _____

Polynomial - _____

Example of a Polynomial - _____

Use the Literacy Link on page 176 to name the three types of polynomials, define them and give an example of each.

1. _____

   _____

2. _____

   _____

3. _____

   _____

Name: _____ Date: _____

Expectation 2: Model, record and explain the addition of polynomials.

*****Sign out an algebra tiles kit from the science kiosk to use in the math GH**

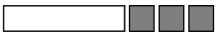
A) Identify each of the following tiles from the kit

■ = positive 1-tile (red) □ = negative 1-tile (white)

▮ = positive x-tile (green) ▯ = negative x-tile (white)

■ = positive x^2 (green) □ = negative x^2 (white)

B) **Write the expression represented by each set of algebra tiles.**

a) 

_____

b) 

_____

c) 

_____

d) 

_____

***** Please remember to return your algebra tiles kit to the science kiosk.**

Name: _____ Date: _____

Expectation 2: Model, record and explain the addition of polynomials.

Part C) Use the purple box on page 184 to help you define and give an example of the following:

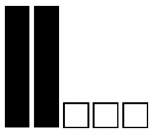
Like Terms: _____

Example of Like Terms: _____

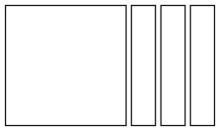
Part D) Determining Opposite Polynomials

Opposite polynomials add to zero and to find an opposite polynomial using algebra tiles, you just turn each tile over (ie FLIP IT).

Determine the opposite of the expression represented by each diagram.

a) 

Expression: $2x - 3$

b) 

Expression: $-x^2 - 3$

Draw the diagram of the opposite polynomial (ie flip the algebra tiles and draw the result)

a) b)

Expression: _____ Expression: _____

Name: _____ Date: _____

Part E) Adding Polynomials

Example:

(3x - 5) + (2x + 3)

Use algebra tiles to model each polynomial in brackets. Draw the tiles below: