Learning Outcomes Covered:

5A: I can recognize the different parts of a polynomial.
5B: I can describe and classify polynomials.
5C: I can use algebra tiles to represent a polynomial.

CONTENT Assessment Questions:

1. Identify the coefficient(s), variable(s), and constant of each of the following polynomials. Also name them.

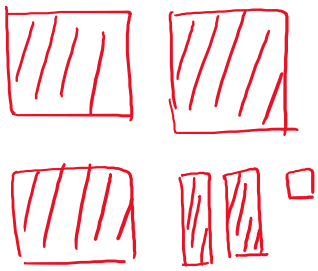
	Algebraic expression	Coefficient(s)	Variable(s)	Constant	Polynomial Name
a)	$-8y$	-8	y		Monomial
b)	$4 - 11w$	-11	w	4	Binomial
c)	$-2b^2 - b + 10$	$-2, -1$	b	10	Trinomial

2. Use algebra tiles to model each polynomial. Sketch the tiles.

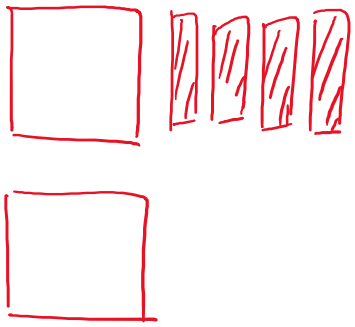
a) $-5 + y^2$

b) $2x - 1$

c) $-3a^2 - 2a + 1$



d) $v^2 - 4v$



CURRICULAR COMPETENCIES Questions:

1. From the following six questions, identify the equivalent polynomials. Show how you know either using words or pictures. (RA)

a) $-h^2 - 3 + 4h$ **b)** $-3 + 4h - h^2$
c) $5m - 3$ **d)** $-2 + y^2 + 5xy$
e) $y^2 + 5xy - 2$ **f)** $-3 + 5m$

a) & b), c) & f, d) & e) are equivalent pairs because each term in those polynomials are the same. The only difference in those polynomials is the order in which they add or subtract.

2. Write a polynomial to match the following conditions. (US)

a) 2 terms, degree 1, with a constant term of 4

ex. $2x+4$, $-3x+4$, ...

b) 3 terms, degree 2, with the coefficient on the 2nd degree term –2

ex. $-2x^2+3x-1$, $-2x^2-5x+3$, ...

ONGOING LEARNING ACTIVITIES:

CORE: Page 214: Curricular Competencies: 10, 15, 16, 18
Content: 4, 5, 7, 9, 11, 12
ADVANCED: Page 216: 19, 20