Name: Answer Key Date: _____

BLM 5–5

Section 5.1 Extra Practice

1. For each expression

i) identify the number of terms

ii) identify the expression as a monomial, binomial, or trinomial

a) $-2x^2$ i) 1 ii) monomial

b) $a + b^2 + s$ i) 3 ii) trinomial

c) $y - 5$ i) 2 ii) binomial

d) $3d^2 - 5xy$ i) 2 ii) binomial

e) r i) 1 ii) monomial

f) $b^2 - 2b + 7$ i) 3 ii) trinomial

2. Identify each polynomial below as a monomial, binomial, or trinomial. If it is none of these, identify it as a polynomial.

$c + d$ $3y$ $-7e^2 - 4f$ $a^2 - 3n - 6a - 5n^2$

x^2 $m^2 - n - 8$ $a + 2b - 2c - 3d$ $4z^2 - y^2 - 6$

Monomials	Binomials	Trinomials	Polynomials
$3y$	$c+d$	m^2-n-8	$a+2b-2c-3d$
x^2	$-7e^2-4f$	$4z^2-y^2-6$	$a^2-3n-6a-5n^2$

3. For each expression

i) identify the number of terms

ii) state whether the expression is a monomial, binomial, or trinomial

a) $6t$ i) 1 ii) monomial

b) $x^2 + 3y - 2$ i) 3 ii) trinomial

c) $9 - r$ i) 2 ii) binomial

d) $a - 2b + 4ab$ i) 3 ii) trinomial

e) $-cd$ i) 1 ii) monomial

f) $5s^2 - st$ i) 2 ii) binomial

4. State the degree for each of the polynomials in #3.

a) 1 **b)** 2 **c)** 1

d) 2 **e)** 2 **f)** 2

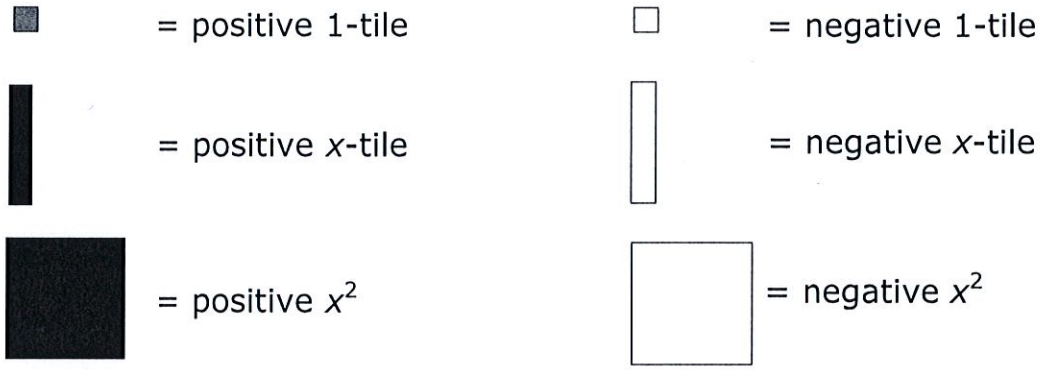
Name: Answer Key Date: _____

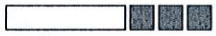
BLM 5–5
(continued)

5. For each polynomial
i) state the degree
ii) state the number of terms

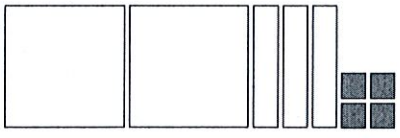
a) $f + g + h$	i) 1	ii) 3
b) $m^2 - mn + n^2$	i) 2	ii) 3
c) $x - y$	i) 1	ii) 2
d) s^2	i) 2	ii) 1
e) 31	i) 0	ii) 1
f) $5d^2 + dh - 11h^2 + 3$	i) 2	ii) 4

6. Write the expression represented by each set of algebra tiles.



a)  $-x + 3$

b)  $x^2 + x - 2$

c)  $-2x^2 - 3x + 4$

d)  $2x^2 - 5$

7. For the polynomial $3a^2 - 4ac - 8$ state the following.

a) Number of terms 3
b) Coefficient of the first term 3
c) Coefficient of the second term -4
d) Number of variables 2
e) Degree of polynomial 2
f) Constant term -8