Name: _____ 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) _____ ii) _____

b) $a + b^2 + s$ i) _____ ii) _____

c) $y - 5$ i) _____ ii) _____

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

e) r i) _____ ii) _____

f) $b^2 - 2b + 7$ i) _____ ii) _____

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
_____	_____	_____	_____
_____	_____	_____	_____

3. For each expression

i) identify the number of terms

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

a) $6t$ i) _____ ii) _____

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

c) $9 - r$ i) _____ ii) _____

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

e) $-cd$ i) _____ ii) _____

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

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

a) _____ **b)** _____ **c)** _____

d) _____ **e)** _____ **f)** _____

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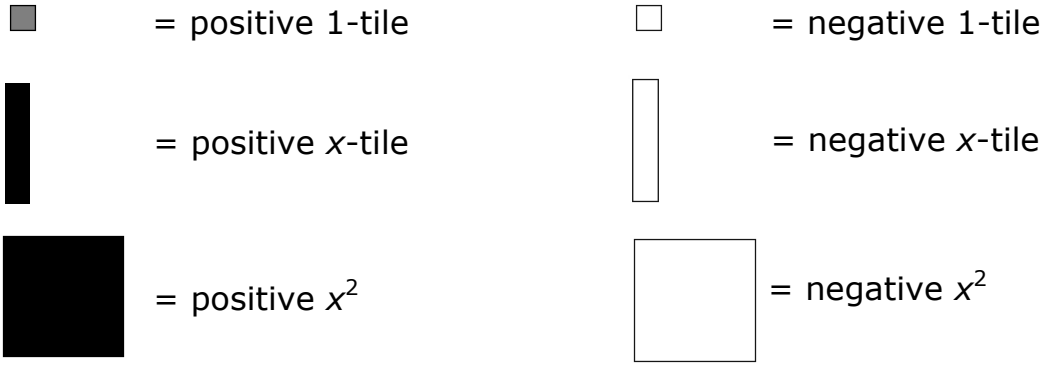
(continued)

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

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

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



a) _____

b) _____

c) _____

d) _____

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

a) Number of terms _____ **b)** Coefficient of the first term _____

c) Coefficient of the second term _____ **d)** Number of variables _____

e) Degree of polynomial _____ **f)** Constant term _____