

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) _____

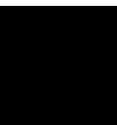
ii) _____

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

= positive 1-tile



= negative 1-tile

= positive x -tile= negative x -tile= positive x^2 = negative x^2

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 _____ |