

NAME _____

DATE _____

Module 2 Writing and Simplifying Algebraic Expressions
Lesson 1 Using the Language of Algebra



**guided
practice**

Set 1

1. What is the coefficient of $\frac{x}{3}$? _____
2. Which expressions are monomials? $\sqrt{a+b}$ $6r$ $\frac{5d}{8}$ $\frac{3x}{2y}$ $-z$

Give an example of a monomial containing a:

3. coefficient and 1 variable _____
4. number only _____
5. coefficient and 2 variables _____

Set 2

1. Is the expression $5 + x^3y - x^2 + \frac{1}{x^2}$ a polynomial? If so, is it a monomial, binomial, or trinomial? _____
2. Is the expression $8a + 3bc + 4$ a polynomial? If so, is it a monomial, binomial, or trinomial? _____
3. What is the degree of the monomial: $7x^5y$? _____
4. What is the degree of the polynomial: $x^2 - 16$? _____

Manipulative Set**Model each polynomial using Algebra Tiles.**

1. $3x + 1$
2. $-2x^2 + 3x - 2$
3. $-3x^2 - 4x$
4. $2x^2 + 5$

