Algebra 1 Unit 1: Relationships Among Quantities

Interpreting Language in Math Expressions

Example:

|  |  |  |
| --- | --- | --- |
| **Vocabulary** | **Definition** | **From Example** |
| Algebraic Expression | A mathematical phrase that contains numbers, operations, and/or variables  DOES NOT have an equal sign | See above example  Use to create examples for each part of the expression |
| Variable | A symbol used to represent a quantity that can change |  |
| Term | Part of an expression that is separated by “+” or “-“ |  |
| Like Terms | Terms with the same variable and raised to the same exponent |  |
| Coefficient | A number that is multiplied by a variable  Located at the front of the variable |  |
| Exponent | The number that indicates how many times the base is being multiplied by itself  The little number at the top of the base number |  |
| Base | The number in a power that is used as a factor  The big number connected to the exponent |  |
| Constant | The term that DOES NOT contain a variable  Stands Alone  Usually placed at the end of an expression |  |
| Degree | Highest Degree Exponent  Should be listed first in the expression |  |

Classifying Polynomials

|  |  |  |  |
| --- | --- | --- | --- |
| **By Degree** | | **By Number of Terms** | |
| **Degree** | **Name** | **# of Terms** | **Name** |
| 0 |  | 1 |  |
| 1 |  | 2 |  |
| 2 |  | 3 |  |
| 3 |  | 4 or more |  |

Name each polynomial by degree **and** number of terms.

|  |  |
| --- | --- |
| 1) | 2) |
| 3) | 4) |
| 5) | 6) |
| 7) | 8) |