

Math 135: Section 3.1

Translating English Phrases into Algebraic Expressions:

Add	Subtract	Multiply	Divide	Equal To
- increased by - more than - greater than - added to - sum of	- less than - decreased by - smaller than - fewer than - shorter than - difference of	- multiplied by - of - product of - times	- divided - ratio of - quotient of	- is/was/has - is the same as - equals - costs - represents

Let x equal a number. Write each English phrase as an algebraic expression.

1. Twelve more than a number.

$$x + 12$$

2. Eight less than a number.

$$x - 8$$

3. Five times a number.

$$5x$$

4. Five times the sum of a number and three.

$$5(x + 3)$$

5. Three more than the product of five and a number.

$$3 + 5x \quad \cong \quad 5x + 3$$

