Honors Physics		Mr. McMullen
Name	Date	Period

## Mathematical Relationships

## A. Completing Concepts

In the space to the left, write the $lpha$	nswer that best completes each statement.
<u>L</u> 1.	When an operation is performed on one side of an equation, the operation must be performed on the other side of the equation.
2.	It is customary to isolate the on the left side of an equation.
3.	In performing an experiment, the values of the variable are carefully changed and the corresponding values of the variable are then measured.
4.	In graphing, the values for the variable usually are plotted on the horizontal (x) axis.
5.	The graph of a(n) variation is a straight line passing through the origin.
6.	The shape of the graph which shows the dependent variable in inverse variation with the independent variable is a(n)
7.	A graph whose shape is a(n) indicates that the dependent variable varies as the square of the independent variable.
8	When one quantity varies directly with another, the second quantity will as the first increases.
9	When one quantity varies inversely with another, the second quantity will as the first increases.
10	The general equation for a graph which is a straight line passing through the origin is
11	. The general equation of a parabola is
	. The general equation of a hyperbola is
13	. The of an angle in a right triangle equals the opposit side divided by the adjacent side.
14	. The trigonometric function is equal to the adjacent sid divided by the hypotenuse.
15	. The trigonometric function is equal to the opposite sid