

Vocabulary

Background

Term	Definition	Spanish
Direct Variation	Two quantities that always have the same ratio, $y = kx$.	dirija la variación
Inverse Variation	A function in which two variables are inversely proportional.	variación de inverso
Non-Linear Function	A function whose graph is not a straight line.	función no lineal

Current

Term	Definition	Spanish
Asymptote <i>Section 10.5</i>	A line to which the graph of a curve gets increasingly close but never touches.	asíntota
Axis of Symmetry <i>Section 10.1</i>	A line that is in the 'middle' of a graph. Each point on the parabola has a corresponding point on the opposite side of the line.	el eje de la simetría
Compound Interest <i>Section 10.6</i>	Growth of money earning interest at a fixed rate over a period of time. Represented by the formula $A = P\left(1 + \frac{r}{n}\right)^t$, where A represents the amount of the investment, P is the principle (initial amount invested), r represents the annual rate of interest, n is the number of times that the interest is compounded each year, and t represents the number of years that the money is invested.	interés compuesto
Discriminant <i>Section 10.4</i>	The expression under the radical sign in the quadratic formula ($b^2 - 4ac$).	discriminante
Exponential Decay <i>Section 10.6</i>	A general equation where the initial amount decreases by the same percent over a given period of time.	decaimiento exponencial
Exponential Function <i>Section 10.5</i>	A function where the variable is the exponent, such as $y = 2^x$.	función exponencial
Exponential Growth <i>Section 10.6</i>	A general equation where the initial amount increases by the same percent over a given period of time.	crecimiento exponencial
Inverse Variation <i>Section 12.1</i>	A relationship where the product of two values remains constant.	variación de inverso
Limit <i>Section 10.7</i>	A number that something approaches, but never reaches.	límite
Linear Term	A term with an exponent whose power is 1.	término lineal

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Maximum Value of a Function <i>Section 10.1</i>	The highest point of a graph (largest y value)	el valor máximo de una función
Minimum Value of a Function <i>Section 10.1</i>	The lowest point of a graph (smallest y value)	el valor mínimo de una función
Parabola <i>Section 10.1</i>	The graph of a quadratic function.	parábola
Quadratic Equation <i>Section 10.2</i>	An equation that can be written in the form $ax^2 + bx + c = 0$, where $a \neq 0$.	ecuación cuadrática
Quadratic Formula <i>Section 10.4</i>	The formula that can be used to solve a quadratic equation in standard form.	fórmula cuadrática
Quadratic Term	A term with an exponent whose power is 2.	término cuadrático
Roots of an Equation <i>Section 10.2</i>	Solutions of a quadratic equation.	las raíces de una ecuación
Vertex <i>Section 10.1</i>	The maximum or minimum point of a parabola.	vértice
Zeros of a Function <i>Section 10.2</i>	The x -intercepts of a quadratic function (where $y = 0$).	ceros de una función