

WORD: Bivariate Data	PAGES:	WORD: Scatter Plot	PAGES:
DEFINITION: In statistics, data sets using two variables.		DEFINITION: a bivariate graph with points plotted to show a possible relationship between the two sets of data.	
EXAMPLE(S):	COUNTEREXAMPLE(S):	EXAMPLE(S):	COUNTEREXAMPLE(S):
WORD: Positive Correlation	PAGES:	WORD: Negative Correlation	PAGES:
DEFINITION: two data sets have a positive correlation if both sets of data values increase.		DEFINITION: two data sets have a negative correlation if one set of data values increase as the other set decreases.	
EXAMPLE(S):	COUNTEREXAMPLE(S):	EXAMPLE(S):	COUNTEREXAMPLE(S):
WORD: No Correlation	PAGES:	WORD: Strong Correlation	PAGES:
DEFINITION: two data sets have no correlation if there is no relationship between the two sets of values.		DEFINITION: two data sets that are very strongly related to one another; the correlation coefficient is close to 1 or -1.	
EXAMPLE(S):	COUNTEREXAMPLE(S):	EXAMPLE(S):	COUNTEREXAMPLE(S):

WORD: Weak Correlation	PAGES:	WORD: Correlation Coefficient	PAGES:
DEFINITION: two data sets that are not strongly related to one another; the correlation coefficient is close to 0.		DEFINITION: The statistical measure of how strongly related two sets of data are; always a value between -1 and +1.	
EXAMPLE(S):	COUNTEREXAMPLE(S):	EXAMPLE(S):	COUNTEREXAMPLE(S):
WORD: Residual	PAGES:	WORD: Piecewise Function	PAGES:
DEFINITION: the signed vertical distance between a data point and the line of best fit.		DEFINITION: A function made up of multiple, different pieces of functions, expressed using domain constraints.	
EXAMPLE(S):	COUNTEREXAMPLE(S):	EXAMPLE(S):	COUNTEREXAMPLE(S):
WORD: Exponential Function	PAGES:	WORD: Exponential Growth	PAGES:
DEFINITION: a function of the form $f(x) = ab^x$, where a and b are real numbers, $a \neq 0$, $b > 0$, and $b \neq 1$.		DEFINITION: an exponential function of the form $f(x) = ab^x$ in which $b > 1$. a is the initial value and b is the growth factor.	
EXAMPLE(S):	COUNTEREXAMPLE(S):	EXAMPLE(S):	COUNTEREXAMPLE(S):

WORD: Exponential Decay	PAGES:	WORD: Average Rate of Change	PAGES:
DEFINITION: an exponential function of the form $f(x) = ab^x$ in which $0 < b < 1$. a is the initial value and b is the decay factor.		DEFINITION: The straight-line slope between any two points of a function.	
EXAMPLE(S):	COUNTEREXAMPLE(S):	EXAMPLE(S):	COUNTEREXAMPLE(S):
WORD: Sequence	PAGES:	WORD: Arithmetic Sequence	PAGES:
DEFINITION: a list of terms (usually numbers) in a certain order that form a patter.		DEFINITION: a sequence whose successive terms have a common difference (like a linear function).	
EXAMPLE(S):	COUNTEREXAMPLE(S):	EXAMPLE(S):	COUNTEREXAMPLE(S):
WORD: Geometric Sequence	PAGES:	WORD: Explicit Sequence	PAGES:
DEFINITION: a sequence in which the ratio of successive terms is a constant r, called the common ratio, where $r \neq 0$.		DEFINITION: A way to write a sequence, similar to a function, in which the nth term can always be represented and calculated.	
EXAMPLE(S):	COUNTEREXAMPLE(S):	EXAMPLE(S):	COUNTEREXAMPLE(S):

WORD: Recursive Sequence	PAGES:	WORD: Asymptote	PAGES:
DEFINITION: A way to write a sequence in which all terms depend on the terms preceding them, the nth term can only be calculated if the n-1 term is known.		DEFINITION: a line that a graph gets closer to as the value of a variable becomes extremely large or extremely small.	
EXAMPLE(S):	COUNTEREXAMPLE(S):	EXAMPLE(S):	COUNTEREXAMPLE(S):
WORD: System of Linear Equations	PAGES:	WORD: Elimination Method	PAGES:
DEFINITION: a set of multiple linear equations that all relate to the same material and share the same variables.		DEFINITION: a method of solving systems of equations in which one variable is eliminated by adding or subtracting two equations of the system.	
EXAMPLE(S):	COUNTEREXAMPLE(S):	EXAMPLE(S):	COUNTEREXAMPLE(S):
WORD: Substitution Method	PAGES:	WORD: Solution to a System of Equations	PAGES:
DEFINITION: a method used to solve systems of equations for one variable and substituting the resulting expression into the other equation(s).		DEFINITION: any ordered pair(s) that satisfies all the equations in a system.	
EXAMPLE(S):	COUNTEREXAMPLE(S):	EXAMPLE(S):	COUNTEREXAMPLE(S):

WORD: Function Notation		PAGES:		WORD: Solution to a System of Inequalities		PAGES:	
DEFINITION: if x is the independent variable and y is the dependent variable, then the function notation for y is $f(x)$, which reads “f of x.”				DEFINITION: any ordered pairs that satisfy all the inequalities in a system.			
EXAMPLE(S):		COUNTEREXAMPLE(S):		EXAMPLE(S):		COUNTEREXAMPLE(S):	
WORD: Solution Set		PAGES:		WORD: System of Linear Inequalities		PAGES:	
DEFINITION: the set of values that make a statement true.				DEFINITION: a system of functions that only include linear inequalities.			
EXAMPLE(S):		COUNTEREXAMPLE(S):		EXAMPLE(S):		COUNTEREXAMPLE(S):	