

HIGH SCHOOL COURSES PREREQUISITE SKILLS WORKSHEET FOR CALCULUS
RIVERTON PARKE JR-SR HIGH

Prerequisite Skills	Activity Objectives for Grade/Course	State Standards
Make connections between graphical, numerical, and analytical representations of information and transfer contexts whenever appropriate.	Alg I – sketch a graph representing a given situation – such as speed traveled related to time given and itinerary of a trip.	(A1 3.1)
	Geom -	(G 8.1)
	Alg II – Interpret given situations as functions in graphs, formulas, and words.	(A2 1.8)
	Trig/PreCalc – Use a graphing calculator to graph word problems to predict outcomes	(PC 1.1)
Read a verbal description of a problem, interpret it, create appropriate sketches and equations to model the situation, and solve the problem situation to find the requested information.	Alg I – Sketch a graph – such as for a person’s height from age 0 to 25	(A1 3.1)
	Geom -	
	Alg II – Find two rates from car rental companies and plot costs on a graph for a given trip.	(A2 1.8)
	Trig/PreCalc – Model and solve word problems – i.e. determining what price to charge for tickets for the prom.	(PC 1.3)
Plot a discrete set of points or plot a curve on the Cartesian coordinate plan using appropriate scaling on each axis.	Alg I – Use graphing pictures to create shapes using ordered pairs.	(A1 3.1)
	Geom – Plotting vertices of a polygon to fill in missing vertex to make a certain polygon.	(G 1.4)
	Alg II – Plot a relation of points on a coordinate plane and determine the domain and range	(A2 1.1)
	Trig/PreCalc – Given various functions describe the symmetries of the graphs	(PC 1.1) (PC 1.5)
Write the equation of a line in point-slope form and in slope-intercept form.	Alg I – Using various given graphs – find an equation using the slope and y-intercept	(A1 4.3)
	Geom – Graph polygons and find equations of medians or diagonals.	(G 1.4)
	Alg II – Using points from a graph of a line find the equations of a line.	(A2 2.1)
	Trig/PreCalc – Write the equations of conic sections in standard form in order to find type.	(PC 1.1) (PC 1.10)
Determine the slope of a line from a graph, from given data points, or from an equation.	Alg I – Use rise over run – Given 2 points use either graphing or the slope formula to find slope	(A1 4.1)
	Geom – Given a polygon find slopes to determine parallel or perpendicular – also find slopes of diagonal, etc.	(G 1.4)
	Alg II – Given a polygon find slopes of sides of polygons	(A2 2.4)
	Trig/PreCalc -	