

Graphit Answers Exploration Questions

1. Collect data about your class, plot the data, and find a trend line. For example collect data on the arm-span and height of the students in your class. Let the arm-span be the x value and let the height be the y value. Plot those points with the graphit applet. Discuss the pattern you see. Is there a positive or negative correlation? Now see if you can come up with the equation of a line for the data.
2. Have each group of students make a table of values using a function rule. For example assign function rules like $2x$, x^2 , $x/2$, $3x+1$, $|x|$ (absolute value of x), ect. Have them switch tables without telling the answers. Then have the students plot the points with graphit and see if they can find the equation of the table of data. Have the students switch as many times as you wish.
3. For more ideas look at the worksheet for the Graph Sketcher applet and/or the worksheet for the Simple Plot applet.