

Linear Functions – The following graph represents a linear function

1) Find three points on the graph and place them in the following table:

X	Y

EQUATION

- 2) Use the instructions for entering data into a calculator to place the X data into L1 and the Y data into L2.
- 3) Use the calculator to find a regression equation for the your data. Write it in the box above labeled equation.
- 4) What features of the above graph allow you to identify it as belonging to a linear function?

Quadratic Functions – The following graph represents a quadratic function

5) Find three points on the graph and place them in the following table:

X	Y

EQUATION

- 6) Use the instructions for entering data into a calculator to place the X data into L1 and the Y data into L2.
- 7) Use the calculator to find a regression equation for the your data. Write it in the box above labeled equation.
- 8) What features of the above graph allow you to identify it as belonging to a quadratic function?

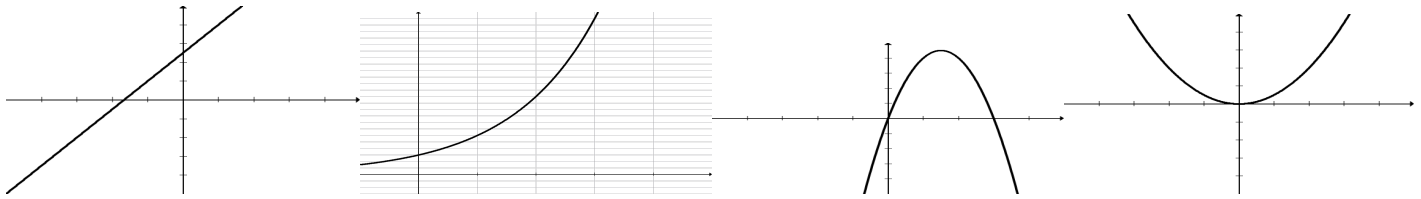
Exponential Functions – The following graph represents an exponential function

9) Find three points on the graph and place them in the following table:

X	Y

EQUATION

- 10) Use the instructions for entering data into a calculator to place the X data into L1 and the Y data into L2.
- 11) Use the calculator to find a regression equation for the your data. Write it in the box above labeled equation.
- 12) What features of the above graph allow you to identify it as belonging to an exponential function?



Logistic Functions – The following graph represents a Logistic function

13) Find three points on the graph and place them in the following table:

X	Y

EQUATION

- 14) Use the instructions for entering data into a calculator to place the X data into L1 and the Y data into L2.
- 15) Use the calculator to find a regression equation for the your data. Write it in the box above labeled equation.
- 16) What features of the above graph allow you to identify it as belonging to a logistic function?

Identify the following functions as linear, quadratic, exponential, or logistic.

17)

19)

21)

18)

20)

22)
