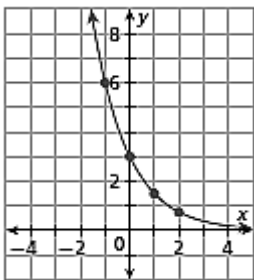


Identifying Types of Functions from a Graph

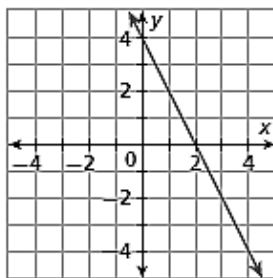
Quick Sketch		
Linear	Quadratic	Exponential

Determine if the following graphs represent an exponential function, linear function, quadratic function, or neither.

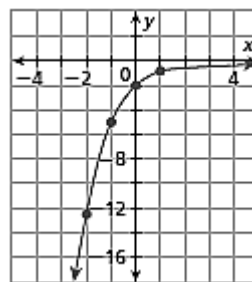
a.



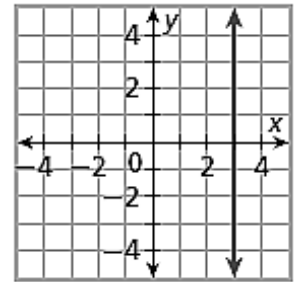
b.



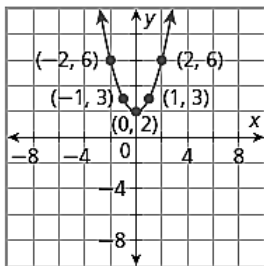
c.



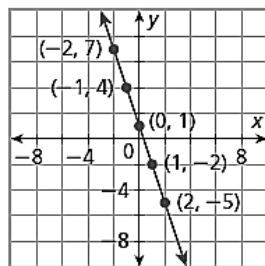
d.



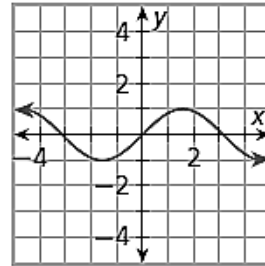
e.



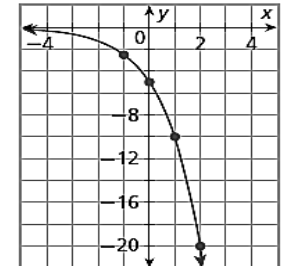
f.



g.



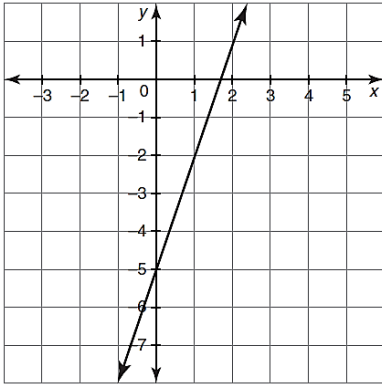
h.



For each graph below, identify if it is linear, quadratic, or exponential. Then write an equation that represents it (by hand, or from using regressions).

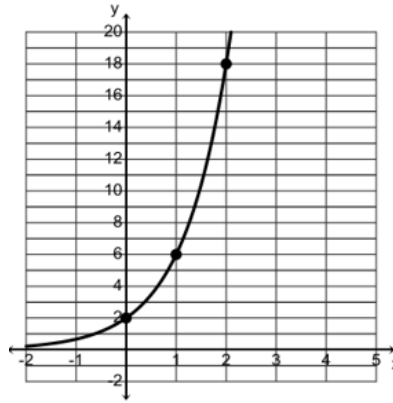
a. Type: _____

Equation: _____



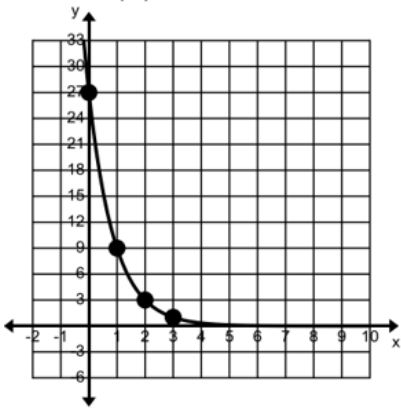
b. Type: _____

Equation: _____



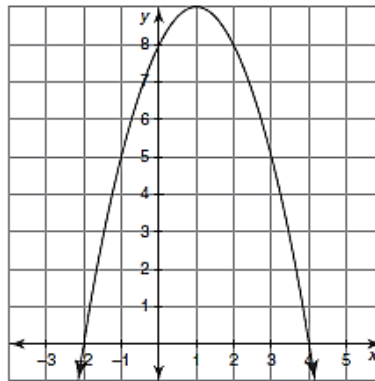
e. Type: _____

Equation: _____



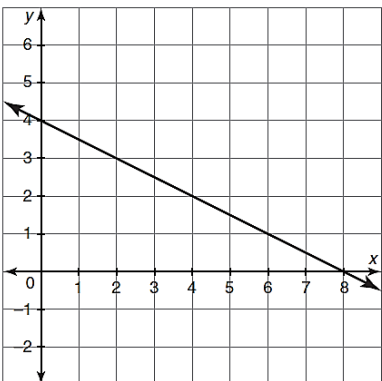
f. Type: _____

Equation: _____



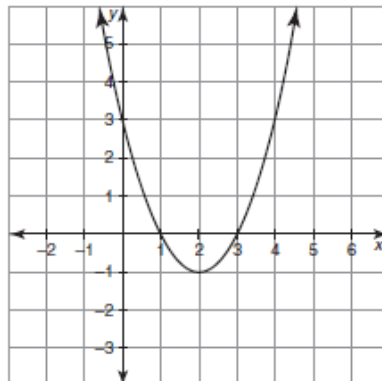
i. Type: _____

Equation: _____



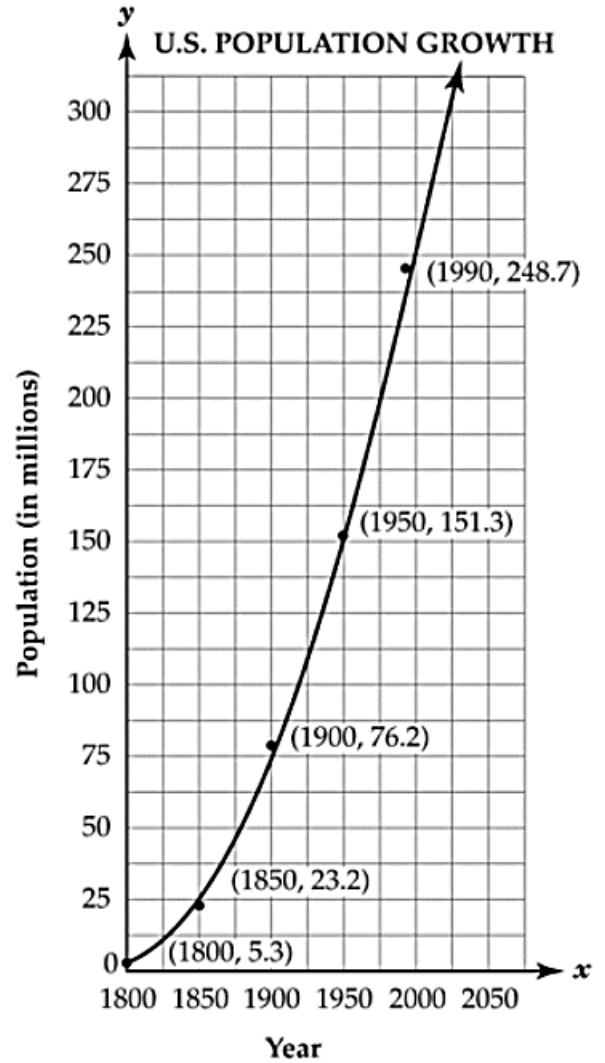
j. Type: _____

Equation: _____



Predicting with Scatterplots

a. The graph below shows the population growth for the United States since 1800. A curve of best fit has been drawn. According to the curve of best fit, in what year will the population be 300 million?



b. The scatterplot below shows the relationship between the age and value of Judy's car. According to the curve of best fit, how much would Judy's car have decreased in value when the car is 6 years old?

