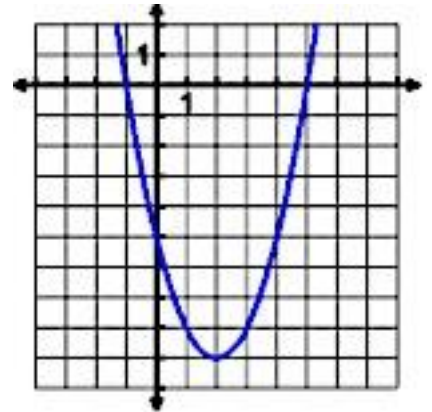


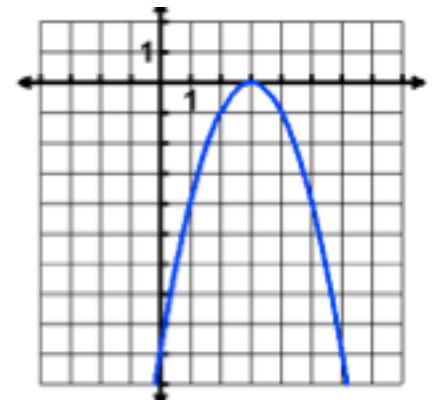
Homework 5.8 Characteristics of Linear Functions

Identify the characteristic from the given graph.

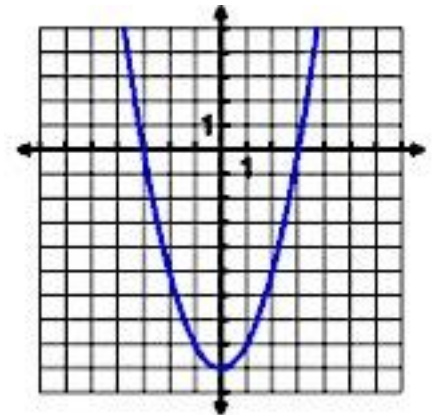
1. a. Domain: _____ b. Range: _____
 c. Extrema: _____ d. Axis of Sym: _____
 e. Increasing: _____ f. Decreasing: _____
 h. X intercept(s): _____ i. Y intercept: _____
 j. Find the rate of change between $x = 1$ and $x = 2$ _____



2. a. Domain: _____ b. Range: _____
 c. Extrema: _____ d. Axis of Sym: _____
 e. Increasing: _____ f. Decreasing: _____
 h. X intercept(s): _____ i. Y intercept: _____
 j. Find the rate of change between $x = 3$ and $x = 5$ _____



3. a. Domain: _____ b. Range: _____
 c. Extrema: _____ d. Axis of Sym: _____
 e. Increasing: _____ f. Decreasing: _____
 h. X intercept(s): _____ i. Y intercept: _____
 j. Find the rate of change between $x = -2$ and $x = 3$ _____



Use the information to sketch a quadratic.

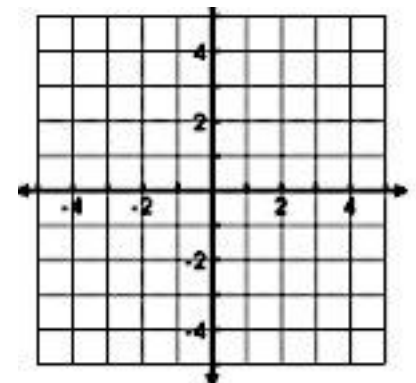
Domain: all real numbers

Vertex: (1, 2)

Increasing: $-\infty < x < 1$

Decreasing: $1 < x < \infty$

There is no stretch or shrink ($a = 1$)



5.8 Answers

Not Available