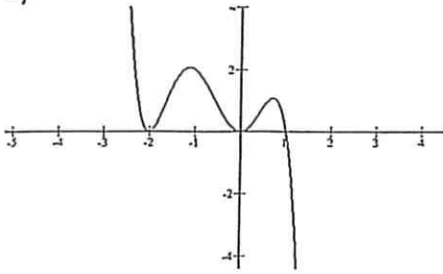


1) A function is a relationship in which one x value must have only one y value.

Function or no Function?

a)



b)

Sketch a graph with the given information.

Domain: $(-\infty, \frac{\infty}{2}]$

Range: $[0, \infty)$

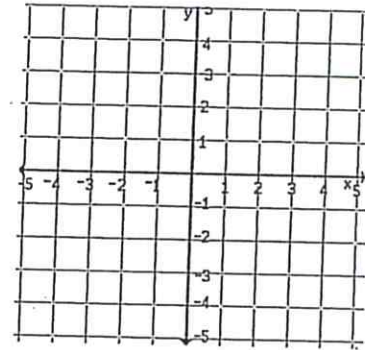
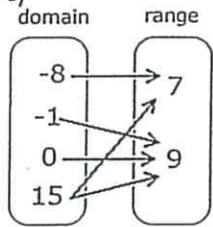
Decreasing: $(-\infty, -2)$

Increasing: $(-2, \infty)$

b)

x	3	2	1	0	1	2	3
y	1	-2	2	4	-3	-2	-1

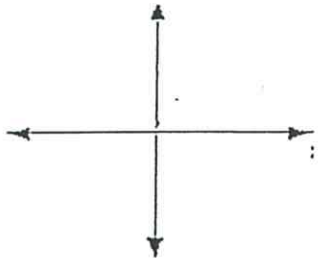
c)



.)

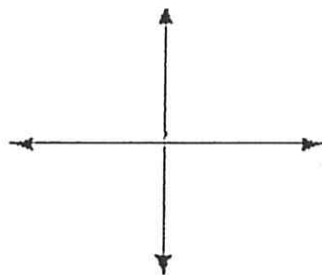
Sketch the graph of the parent for polynomial(^{even}quadratic) functions

Equation: $f(x) =$



Sketch the graph of the parent for exponential decay

Equation: $f(x) =$

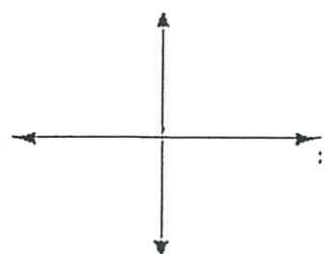


Sketch the graph of the parent of exponential (growth) function

Equation $f(x) =$

c)

Equation $f(x) =$



d)

Sketch the graph of the parent for polynomial(^{odd}cubic) functions

Equation: $f(x) =$

