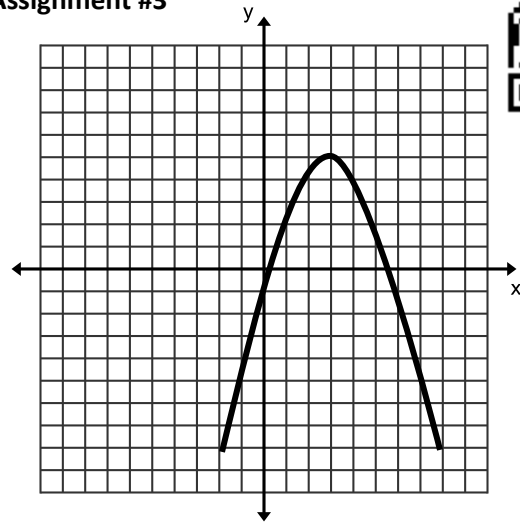


Name: _____ Date: _____ Period: _____

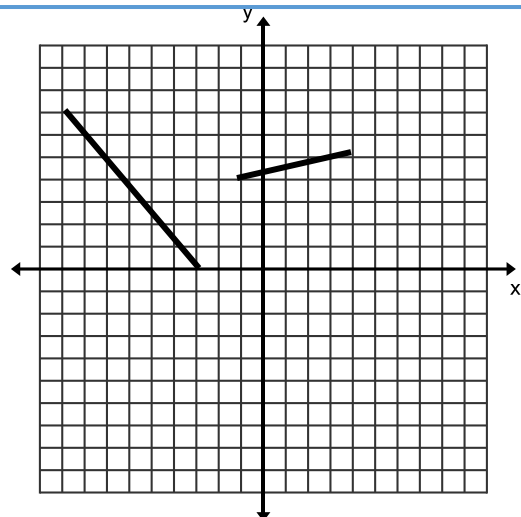


Features of Functions Assignment #3

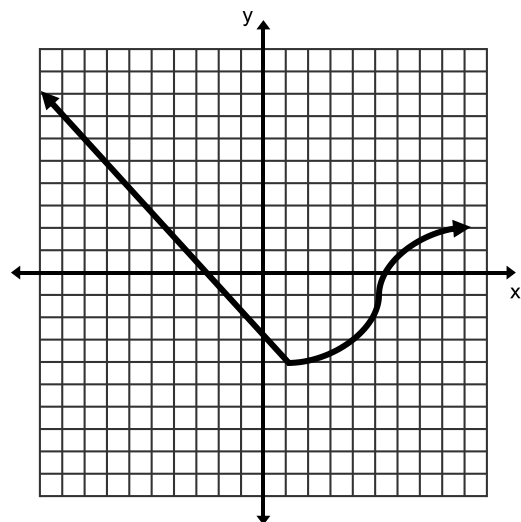
1. Domain:
2. Range:
3. Values of x when y is decreasing:
4. Values of x when y is increasing:
5. Minimum Point(s):
6. Maximum Point(s):



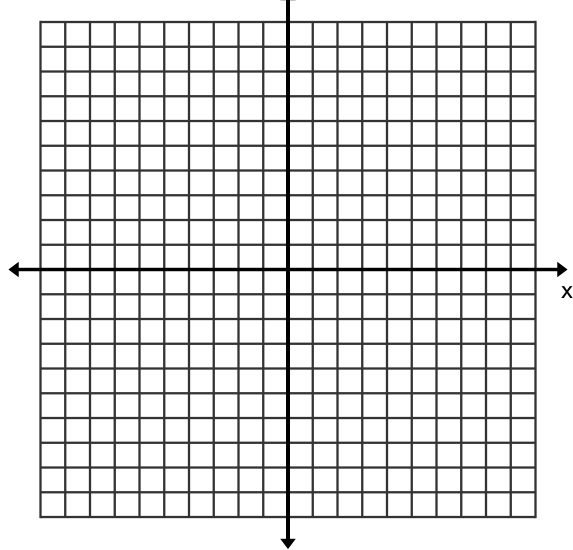
-
7. Domain:
 8. Range:
 9. Values of x when y is decreasing:
 10. Values of x when y is increasing:
 11. Minimum Point(s):
 12. Maximum Point(s):



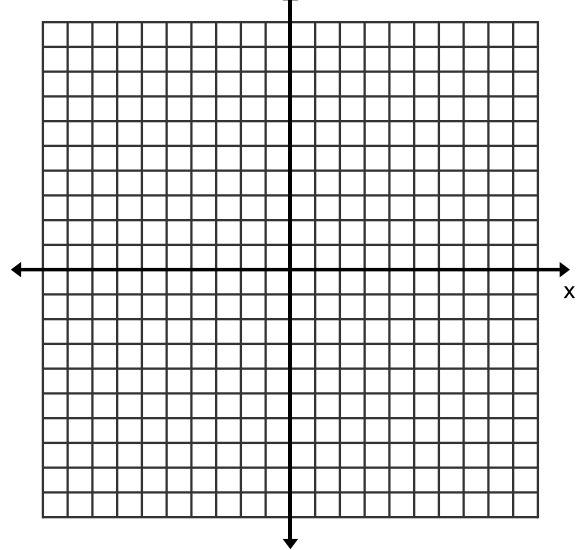
-
13. Domain:
 14. Range:
 15. Values of x when y is decreasing:
 16. Values of x when y is increasing:
 17. Minimum Point(s):
 18. Maximum Point(s):



19. Solve by graphing: $\begin{cases} f(x) = x \\ g(x) = -x - 3 \end{cases}$



20. Solve by graphing: $\begin{cases} f(x) = \frac{2}{3}x - 5 \\ g(x) = -x \end{cases}$



Write equations for the tables.

21.

X	F(x)
0	-13
2	-5
3	-1

Recursive:

Explicit:

22.

X	F(x)
2	5
7	15,625
9	390,625

Recursive:

Explicit:

23.

X	F(x)
10	41
12	47
13	50

Recursive:

Explicit: