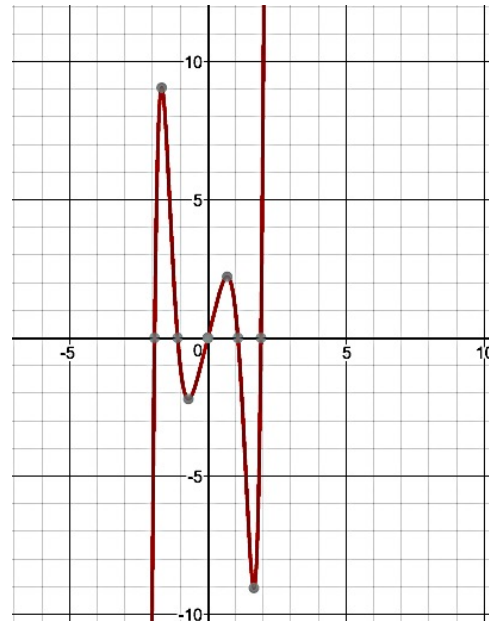


Unit 3 Quiz Review

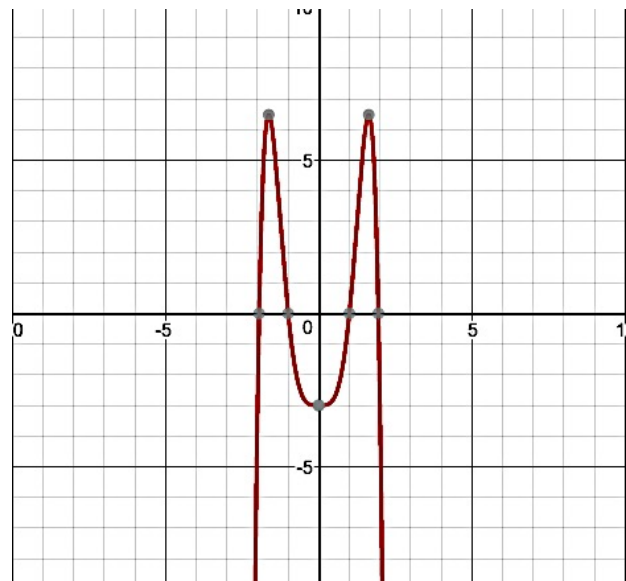
1. Determine the following from the given graph

- X-Intercepts:
- Y-Intercepts:
- Relative Minimum:
- Relative Maximum:
- Absolute Minimum:
- Absolute Maximum:
- Increasing Interval:
- Decreasing Interval:
- Domain:
- Range:
- End Behavior:
- Odd or Even:



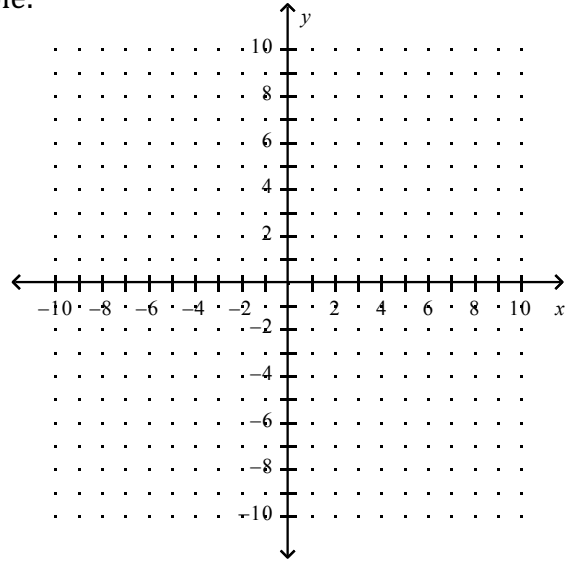
2. Determine the following from the given graph

- X-Intercepts:
- Y-Intercepts:
- Relative Minimum:
- Relative Maximum:
- Absolute Minimum:
- Absolute Maximum:
- Increasing Interval:
- Decreasing Interval:
- Domain:
- Range:
- End Behavior:
- Odd or Even:



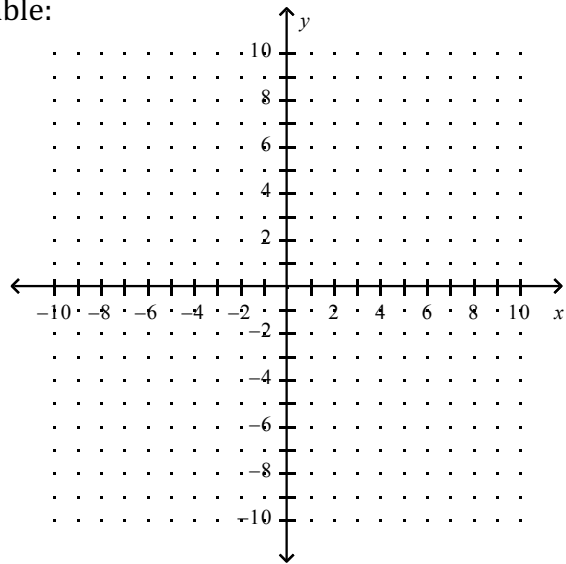
3. Given the function below is even, complete the table:

x	y
-5	6
-3	
-1	-3
0	0
1	
3	4
5	

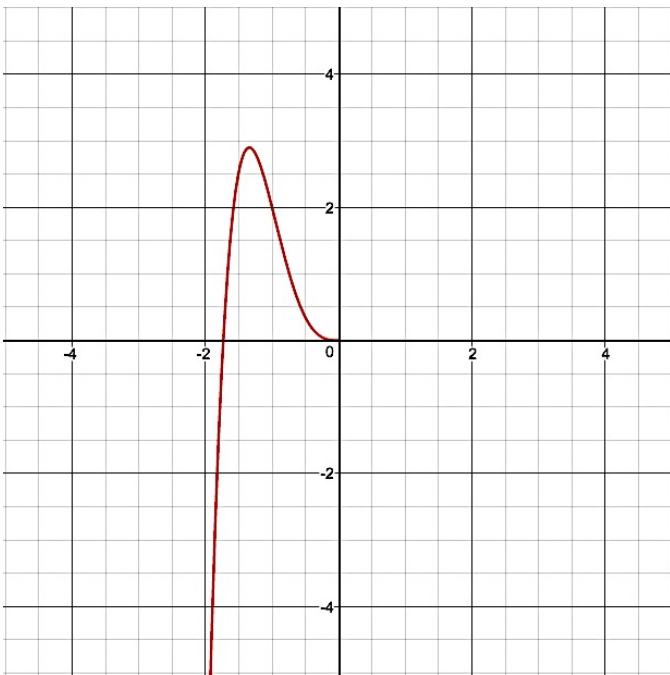


4. Given the function below is odd, complete the table:

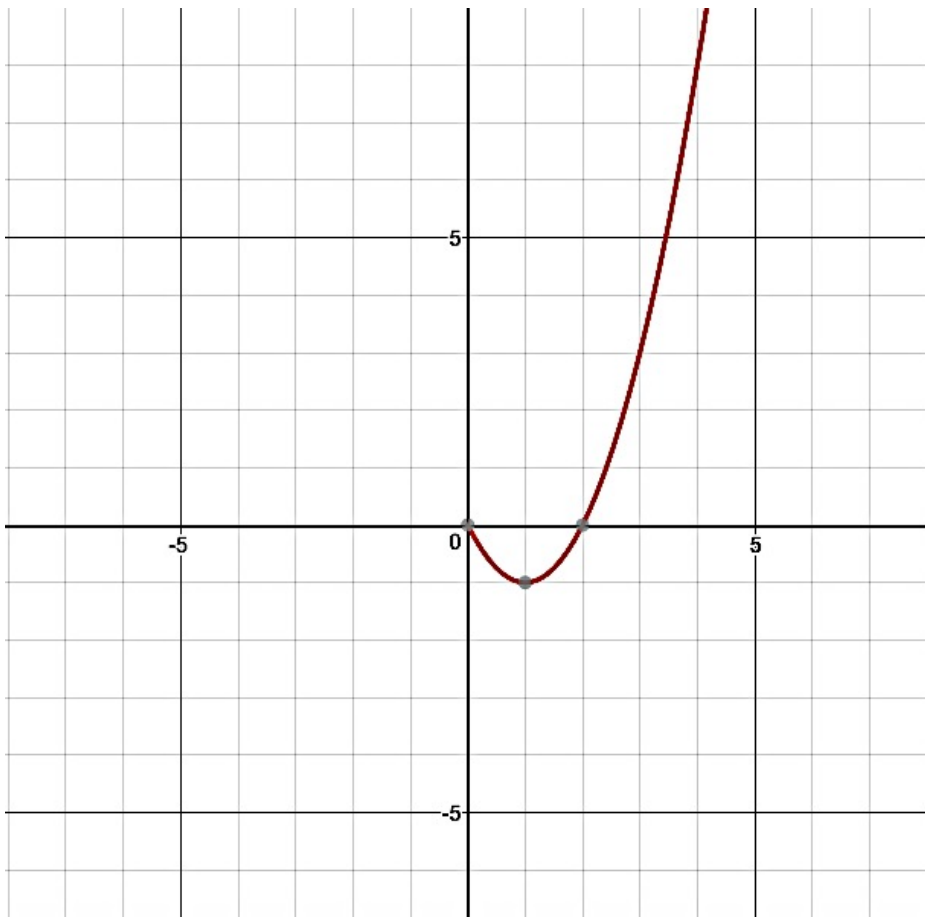
x	y
-5	
-3	2
-1	
0	0
1	-1
3	
5	4



5. Given the graph below is odd, complete the graph:



6. Given the graph below is even, complete the graph:



7. Identify the vertex, the steepness of the function, and the direction of the opening given the following functions:

a. $y = -|x + 3| - 4$

b. $y = 2|x| + 6$

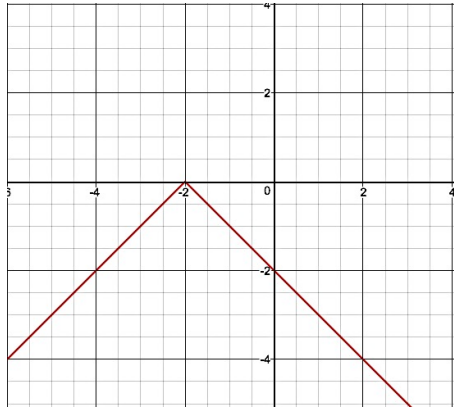
c. $y = |x - 2|$

d. $y = -\frac{4}{3}\left|x - \frac{1}{2}\right| - \frac{1}{2}$

e. $y = -3|x - 2| + 1$

8. Given the graph below, determine the following information and write the equation of the function

a.



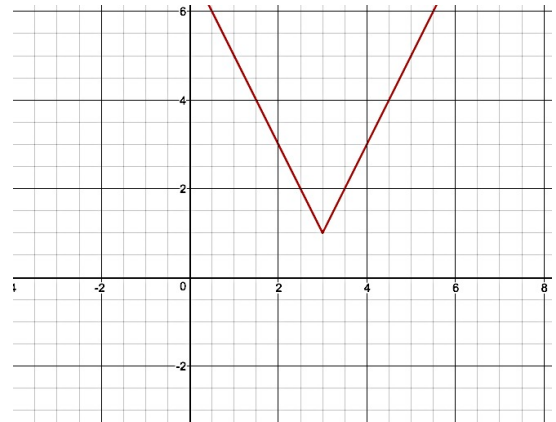
Vertex:

Slopes of rays:

Direction of opening:

Equation:

b.



Vertex:

Slopes of rays:

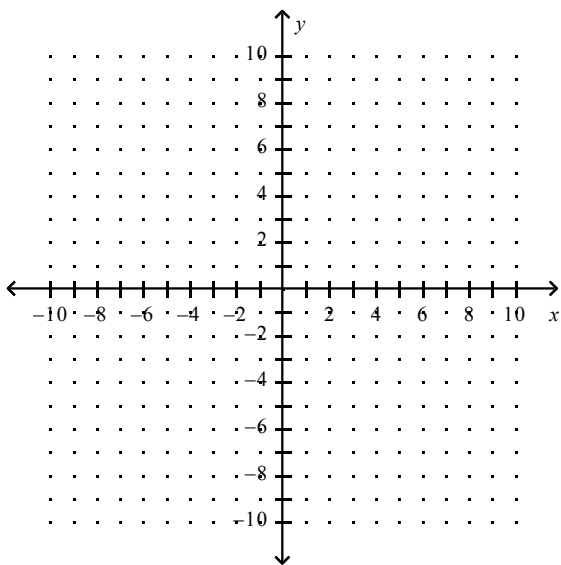
Direction of opening:

Equation:

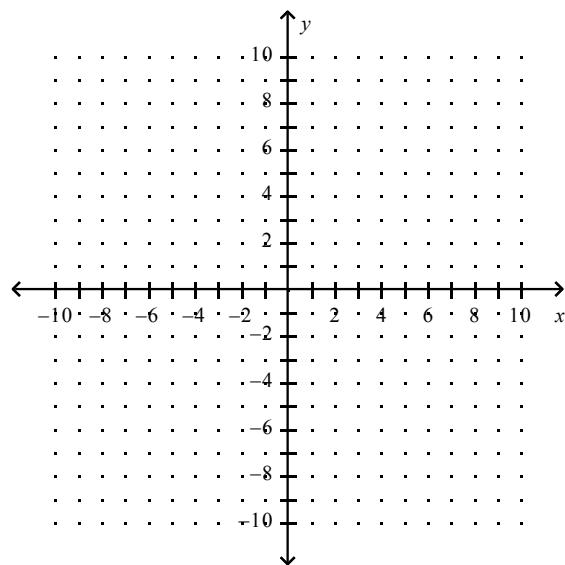
9. Graph the following absolute value functions on the coordinate planes provided. Explain how the graph transformed from the parent function $y = |x|$

a. $y = -2|x + 2| - 3$

b. $y = \frac{3}{4}|x - 4| + 2$



Transformations:



Transformations: