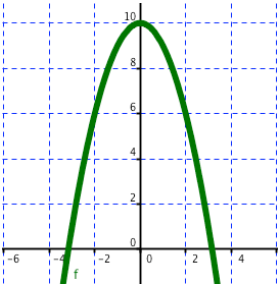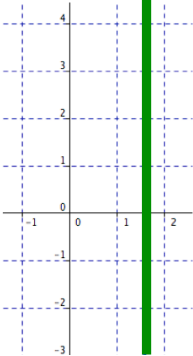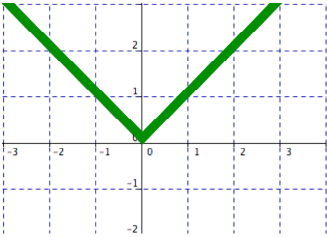Name: _____

Class/Block: _____ Date: _____

Are They Linear?

Check all the examples showing linear relationships. For each example, explain your reasoning or show how you know it is a linear relationship or not a linear relationship.

No.	Example	Explain your reasoning and show how you know
1.	☐ $5x + 2y + 3 = -2y - 3x - 5$	
2.	☐ $\begin{array}{c\|c} x & y \\ \hline 3 & 6 \\ 5 & 10 \\ 9 & 18 \\ 12 & 24 \end{array}$	
3.	☐ 	
4.	☐ $x \cdot y = 2x^2 + 6x$	
5.	☐ $\begin{array}{c\|c} x & y \\ \hline 1 & 9 \\ 2 & 18 \\ 3 & 27 \\ 4 & 36 \end{array}$	

No.	Example	Explain your reasoning and show how you know
6.	☐ $x = 6y - 12$	
7.	☐ x | y 1 | 2 3 | 4 6 | 6 9 | 8	
8.	☐	
9.	☐	
10.	☐ $-y = x - 7$	