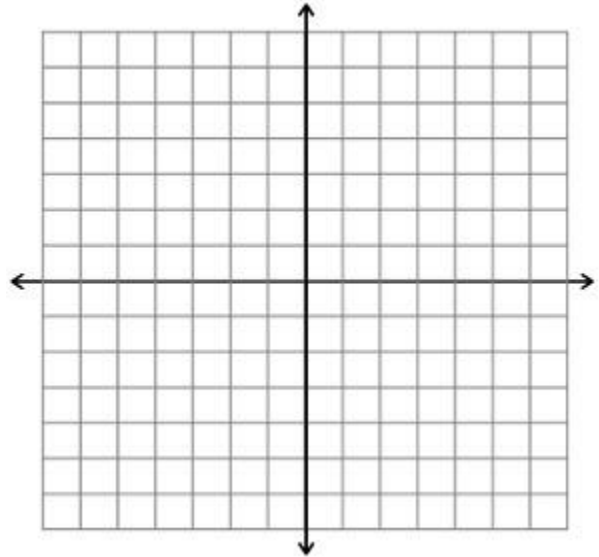# Linear Equations - Introduction

Name _____ Date _____ Hour _____

Complete each of the tables below. Then, graph the points on the coordinate graph provided.

1. $y = 2x + 1$
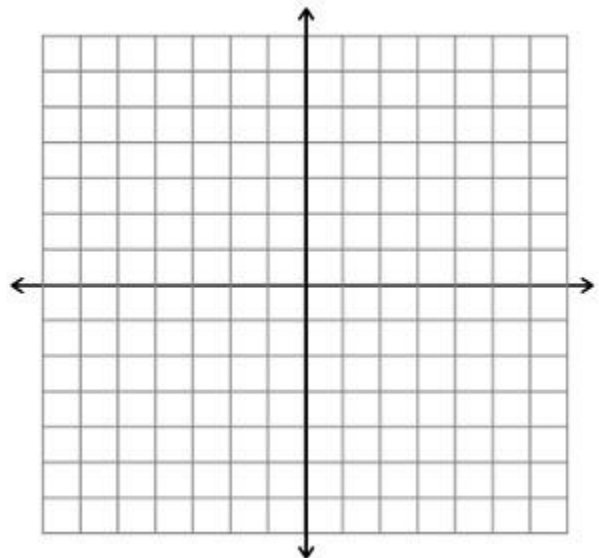
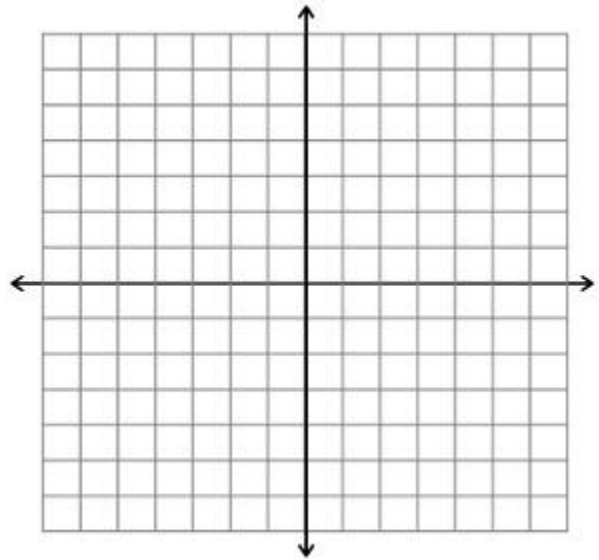| x	y
-2	
-1	
0	
1	
2	

2. $y = -2x + 1$

x	y
-2	
-1	
0	
1	
2	

3. What similarities / differences do you notice?

4. $y = -3x + 5$

x	y
-2	
-1	
0	
1	
2	

5. $y = -3x - 5$

x	y
-2	
-1	
0	
1	
2	
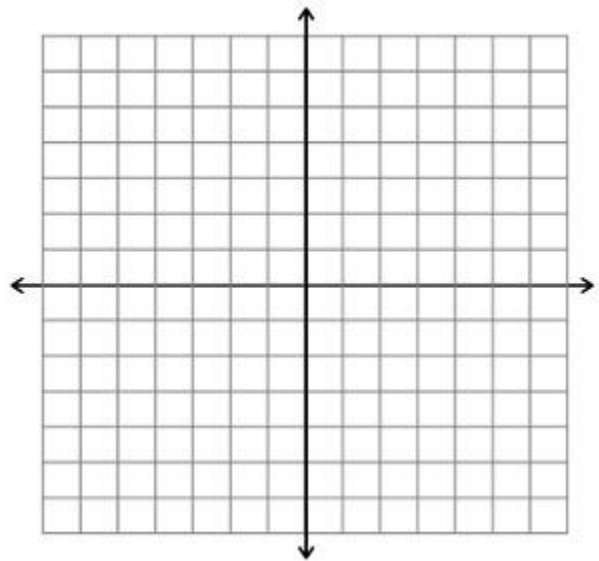
6. What similarities / differences do you notice?

7. $y = \frac{1}{2}x - 4$

x	y
-2	
-1	
0	
1	
2	
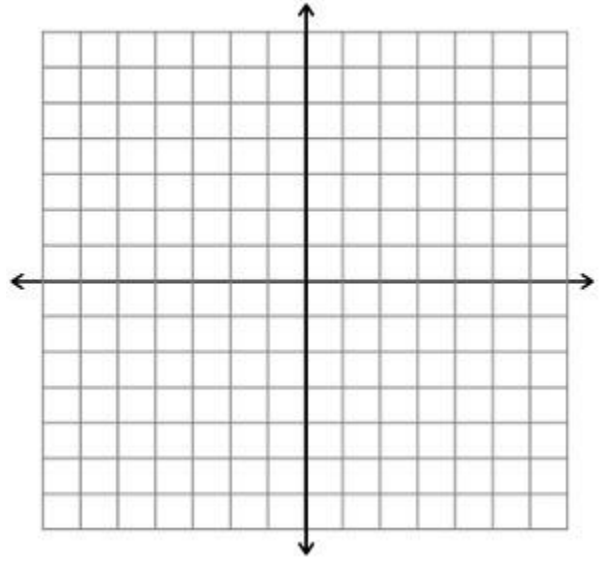
8. $y = 2x - 4$

x	y
-2	
-1	
0	
1	
2	
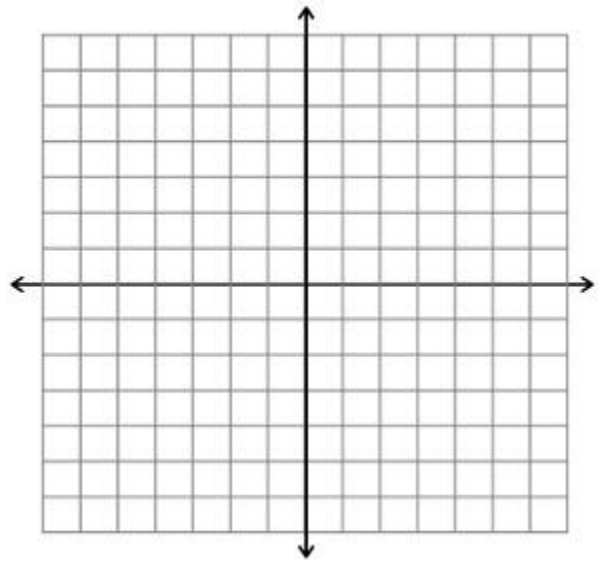
9. What similarities / differences do you notice?

10. What effect did the number in front of the x-variable have on the graph and table?

11. What effect did the number without the x-variable have on the graph and table?

12. What do you think makes a relationship linear?