

MasterMath

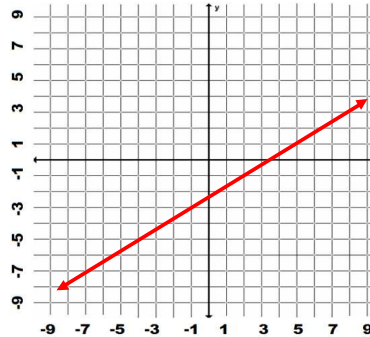
Name _____

Date _____

Direct Variation and Function Notation

1. Does this line represent a Direct Variation?

Explain your answer.



2. Is the relationship between x and y a Direct Variation?

x	-2	-1	0	1	2	3	4	5
y	-3	-1.5	0	1.5	3	4.5	6	7.5

3. Create an equation in Function form for the relationship between x and y described in the table from Question 2.

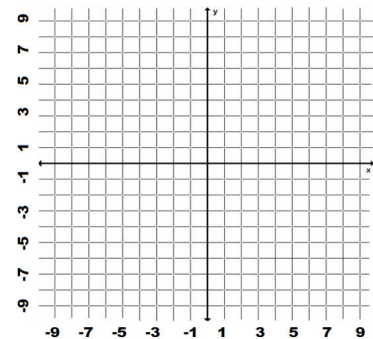
4. What is the Constant of Variation for this relationship: $4x + y = 0$

5. A line passes through the point (0, 3). Can you determine whether the line represents a Direct Variation? How?

6. Evaluate this function for $x = 2.5$:

$$f(x) = 3x - 1.5$$

7. Graph the function $f(x) = 4 - 2x$



8. What is the Constant of Variation for the function $f(x) = 4x$

9. Is this a Direct Variation?

x	y
0	1
3	7
6	13