

Direct Variation
Worksheet to go with Power Point

Name:
Date:
Pd:

Write a definition of Direct Variation in your own words:

Tell if the following tables represent a direct variation relationship.

- | | |
|---|----|
| X | Y |
| 1 | 10 |
| 4 | 9 |
| 7 | 8 |
- 1.
- | | |
|----|---|
| X | Y |
| 90 | 3 |
| 80 | 2 |
| 70 | 1 |
- 2.
- | | |
|----|---|
| X | Y |
| 9 | 3 |
| 11 | 5 |
| 13 | 7 |
- 3.
- | | |
|----|----|
| X | Y |
| 75 | 15 |
| 85 | 10 |
| 90 | 5 |
- 4.

You Try: Tell if the data has a direct variation relationship. If yes, give the constant variation and the equation to represent the data.

X	Y
9	3
12	4
15	5

K = Equation:

You Try: Complete with the computer. (Example Number 3)
y varies directly with x, and y = 6 when x = -5. Find y when x = -8

Step One:

Step Two:

In the following problem, fill in the table. You do not have to solve.

A refund you get varies directly as the number of cans you recycle. If you get a \$3.75 refund for 75 cans, how much should you get for 500 cans?

X(_____)	Y(_____)

Draw an example of a direct variation graph.

Draw an example of a graph that does not show a direct variation relationship.