

Lines: Lesson 10

Direct Variation: Worksheet 1

Name: _____



Direct Variation lines always go through (_____ , _____).

They are written in the form: $y = \text{_____} \cdot \text{_____}$.

Write the direct variation equations:

- The amount of gasoline we use directly varies with how many miles we drive:

- The height of a tree is directly proportional to how much water it gets:

Are these data sets examples of direct variation?

x	y
-3	-9
1	3
4	12

x	y
8	1
12	2
16	4

y varies directly with x , and when $x = 5$, $y = 2$. What is y when x is 7?

y varies directly with x , and when $x = 9$, $y = 3$. What is y when x is 6?

The amount of sprinkles varies directly with how many cookies are decorated. When 15 cookies are decorated, 2 grams of sprinkles are used. How many grams of sprinkles are used for 100 cookies?