direct variation -

k

Each ordered pair is a solution for a direct variation equation. Write an equation of direct variation for each.

(2, 14) (-3, 12) (11, -2)

Which does not represent a direct variation?

$y = \frac{1}{3}x$

$y = 2x + 1$

$y = -3x$

$5x - y = 0$

Which data set represents a direct variation?

x	1	2	3
y	0	1	2

x	1	2	3
y	1	2	3

x	1	2	3
y	3	4	5

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Two pounds of screws cost $15 and five pounds of screws cost $37.50. Which equation relates the cost of the screws c to its weight w?

$c = 37.5w$ $c = 15w$ $c = 7.5w$ $c = 2w$

Stacie's weekly pay is directly proportional to the number of hours she works at the pet store. Her pay for 28 hours is $231. Find the amount of her pay for 40 hours of work.

y varies directly as x. If x = 4 when y =12, find x when y = 28.

A carwash machine uses 195 gallons of water to wash five cars. How many gallons of water would be used to wash 12 cars?