WARM-UP

$$(4)\left|\frac{m}{4} \right. + (4)5 = (4)\frac{1}{2} - \left|m\right. (4)$$

$$\frac{4m}{4} + 20 = \frac{4}{2} - 4m$$

$$1m + 20 = 2 - 4m$$

$$1m + 4m + 20 = 2 \boxed{-4m + 4m}$$

$$5m + 20 = 2$$

$$5m \boxed{+20 - 20} = 2 - 20$$

$$\frac{5m}{5} = \frac{-18}{5} \qquad m = {}^{-18}/_{5}$$

2.   Is the following a linear relation? if yes write the equation.

x	y
0	-1
1	2
2	5
3	8

$>+3$
$>+3$
$>+3$

$$y = 3x - 1$$

10. Shirley has $540 in her bank account. She withdraws $35 each week to cover her expenses.

A) Write an equation that relates the amount of money in her account, A dollars, after n weeks.

$$A = 540 - 35n$$

b) Determine the amount of money in Shirley's account after 8 weeks.

$$A = 540 - 35(8)$$
$$540 - 280$$
$$= \$260$$

11. Dorina is having a party. She estimates that she will need 5 sandwiches for each guest, and 12 extra sandwiches for unexpected guests.

a) Write an equation that relates the total number of sandwiches, T, to the number of guests, p.

$$T = 5p + 12$$

b) How many sandwiches will Dorina need for 16 guests?

$$T = 5(16) + 12$$
$$= 80 + 12$$
$$92$$

12. This is a partially completed table of values for a linear relation. Determine the missing values of y.
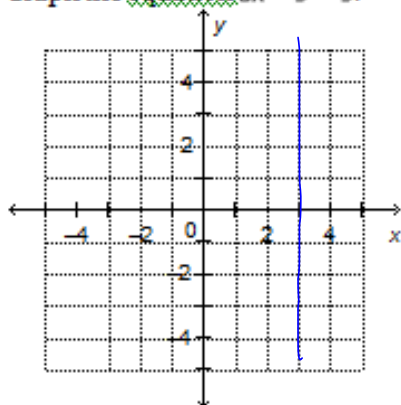
x	1	3	5	7	9
y	6	17	28	39	50

b) ~~Write an equation~~ describe that represents the linear relation.

As x increases by 2, y increase by 11.

13. Graph the equation $2x - 3 = 3$.

$$2x - 3 = 3$$
$$2x \boxed{-3 + 3} = 3 + 3$$
$$\frac{2x}{2} = \frac{6}{2}$$
$$x = 3$$

Match each equation with a graph on the grid below.

i) $y = 2x - 1$ Graph B

ii) $y = 2x + 4$ A

iii) $y = 2x - 5$ C

$y = 2x - 1$

x	y
0	-1
1	1
2	3

x	y
0	4
1	6
2	8

$y = 2x + 4$

$x = 0$
$y = 2(0) - 1$
$y = 2x - 1$
$y = 2(0) - 1$
$y = -1$

$x = 1$
$y = 2(1) - 1$
$y = 2 - 1$
$y = 1$

$x = 2$
$y = 2(2) - 1$
$y = 4 - 1$
$y = 3$

$x = 0$
$y = 2(0) + 4$
$y = 4$

$x = 1$
$y = 2(1) + 4$
$y = 6$

$x = 2$
$y = 2(2) + 4$
$y = 8$

$y = 2x - 5$

$x = 0$
$y = 2(0) - 5$
$y = 0 - 5$
$y = -5$

$x = 1$
$y = 2(1) - 5$
$y = 2 - 5$
$y = -3$

$x = 2$
$y = 2(1) - 5$
$y = 4 - 5$
$y = -1$

x	y
0	-5
1	-3
2	-1

Graph A   Graph B   Graph C
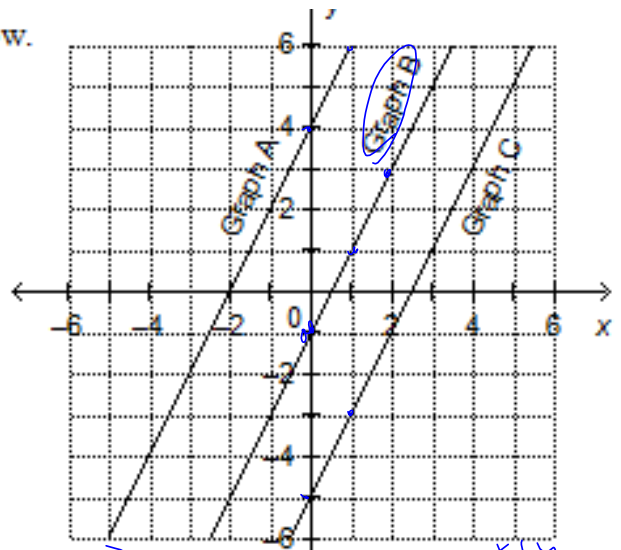
Jane is rowing at an average speed of 3 meters every second. Let d, represent

distance and t represent time.
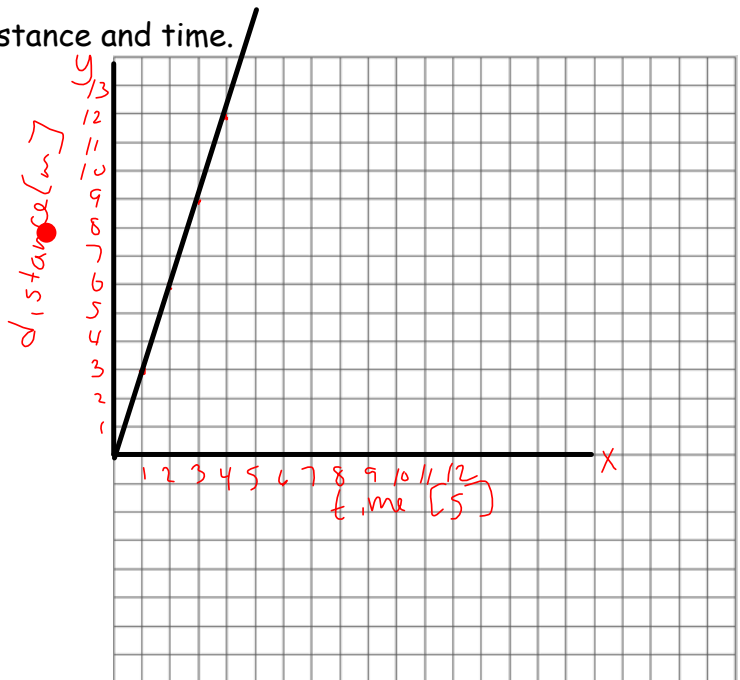
A. Create a table of values to show this relation

B. Graph the data

C. Is the relation linear?

D. Write an equation that relates distance and time.

E. How far does Jane row in 15 s?

$d = 3t$

time	distance
0	0 ⟩+3
1	3 ⟩+3
2	6 ⟩+3
3	9 ⟩+3
4	12

$d = 3(15)$

$d = 45$

distance (m)

y
13
12
11
10
9
8
7
6
5
4
3
2
1

1 2 3 4 5 6 7 8 9 10 11 12   x
time (s)

* Complete Chp 4 Review

[Mark on sheets]

* Make Sure 1-28 from Chp 6

* Extra Practice Chp 6 OR work

on English / science/Canadian Identity

*End of Chapter 6 and 4 Questions more review

Attachments

day 4 worksheet.doc