

Name: _____

Date: _____

Chapter 4 Practice Test

1) Create an equation using the table of values.

a)

x	y
1	6
2	2
3	-2
4	-6

When $x = 17$, what is y ?

b)

m	n
2	45
4	65
6	85
8	105

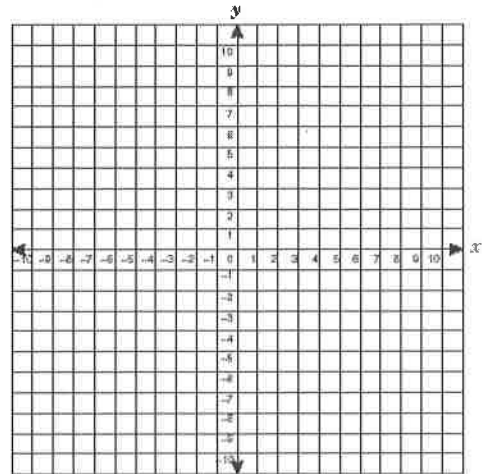
When $n = 575$, what is m ?

2) Four days ago, the temperature outside was -7 degrees. Each day since then, it has risen 2 degrees each day.

a) Create a table of values that represents from 4 days ago until 3 days from now.

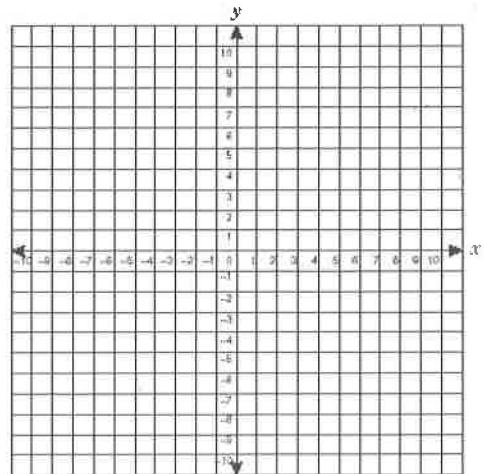
b) Graph. Should you join the dots? Why or why not?

Day	Temperature
-4	-7



3) Create a table of values for the linear relation $y = 4 - 2x$ using x values of -3 to 3 , and then graph.

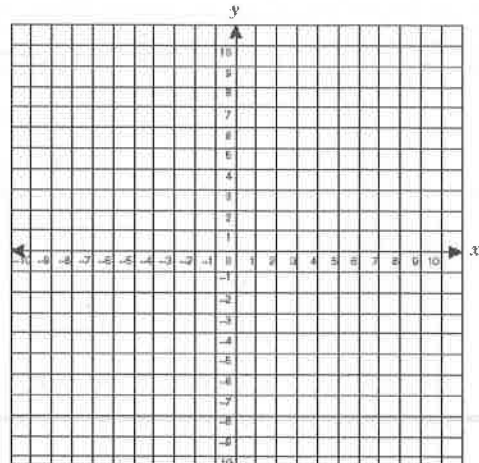
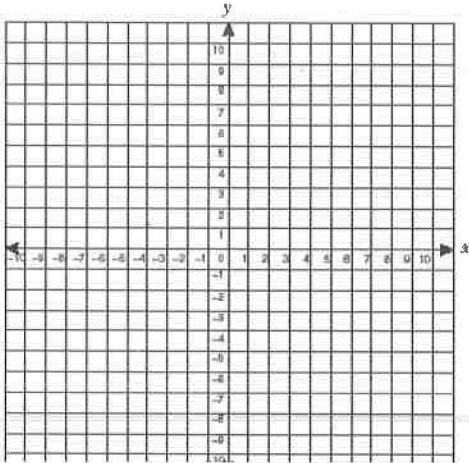
x	y
-3	
-2	
-1	
0	
1	
2	
3	



4) Graph each equation with or without a table of values.

a) $y = -4$ AND b) $x = 6$

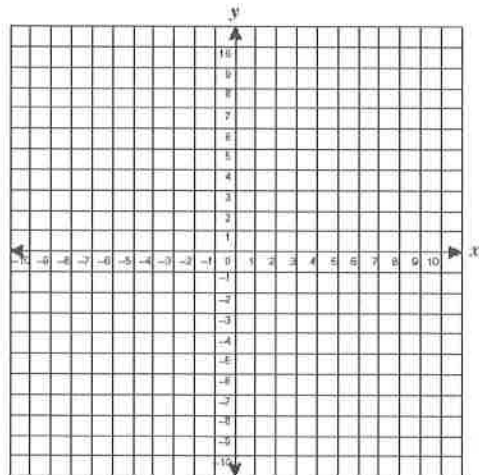
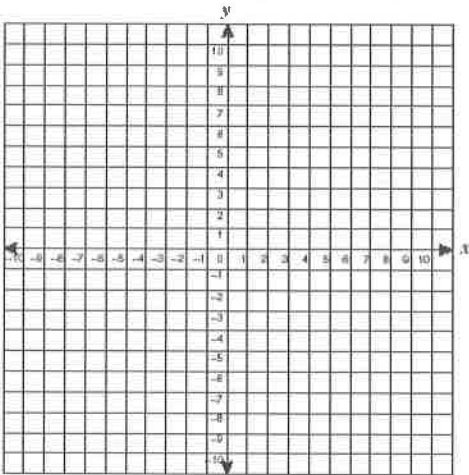
c) $x + y = 9$



5) Graph each equation using the y-intercept and the slope.

a) $y = \frac{-2}{3}x + 5$

b) $2x - 2y = 6$



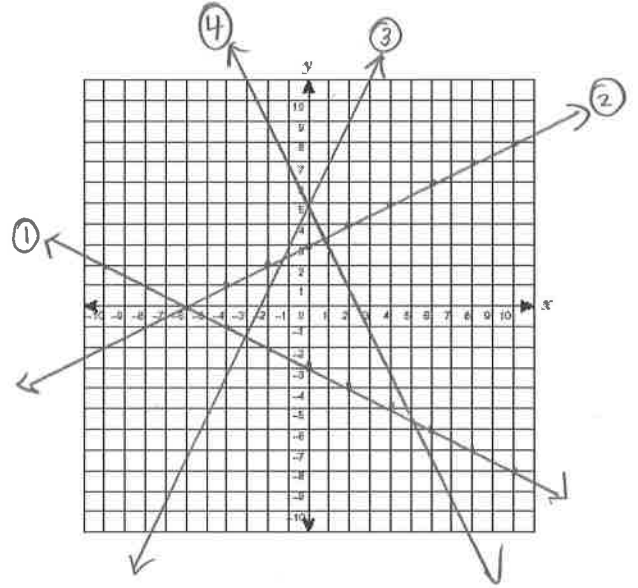
6) Match each equation with the correct graph.

a) $y = 2x + 5$

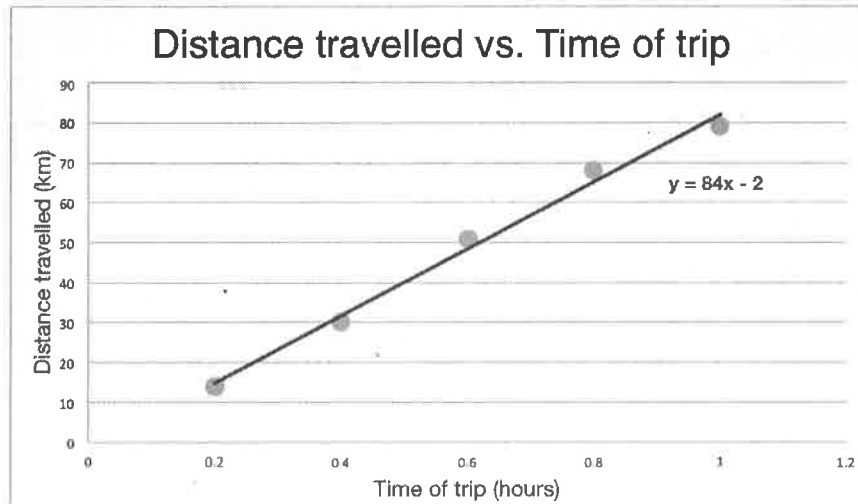
b) $y = -2x + 5$

c) $x + 2y = -6$

d) $x - 2y = -6$



7)



a) How far has the family traveled in 1 hour?

b) If the linear trend continues, how far can the family get in 8 hours?

c) Did you use interpolation or extrapolation for part b?

d) Estimate how far the family traveled in 0.7 hours?

e) In part d, did you use interpolation or extrapolation?

