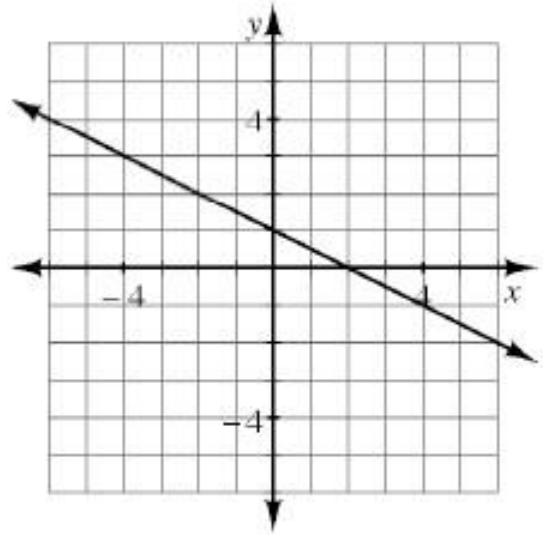


STUDY GUIDE Unit 2

CL 2-101. For the line graphed at right:

- Find the slope.
- Find the y-intercept.
- Write the equation.



CL 2-102. Find m and b in the following equations. What do m and b represent?

- $y = 1 + 2x$
- $y = \frac{2}{5}x - 4$

CL 2-104. Frosty starts with \$85 in the bank and saves \$15 every 2 months. Write an equation for the balance of Frosty's bank account.

CL 2-105. Find the slope for each linear relation described in the tables below.

x	-2	-1	0	1	2
y	19	14	9	4	-1

x	2	3	4	5	6
y	22	31	40	49	58

CL 2-106. Write a rule for the given tile pattern. Hint: Make a table first.

How many tiles will be in figure 58?



Figure 1

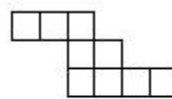


Figure 2

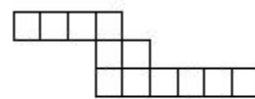


Figure 3

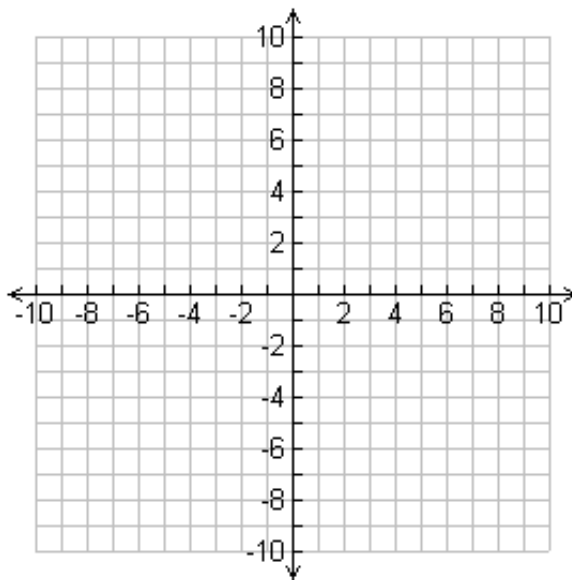
CL 2-107. Solve for w : $6w - 5 + 8w - 2w - 3 = 9w - 24$

CL2-108. Complete the table below for the rule $y = x^2 - 6x + 5$. Then graph the rule.

x	-1	0	1	2	3	4	5	6	7
y		5				-3			

a. Is the relation a function?

b. State the domain and range.



CL 2-109. Find the slope of the line that passes through the points $(-5, 7)$ and $(10, 1)$.