



3-38. Find the equation of the line based on the table.

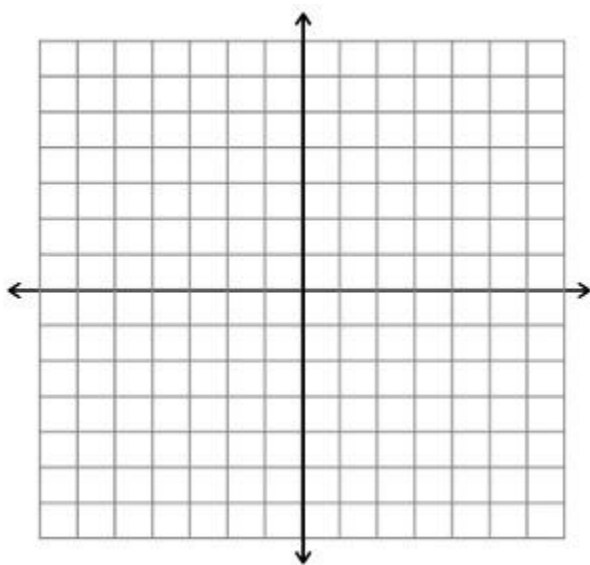
x	2	4	6	8
y	2	3	4	5

3-41. Consider the rule $y = 2x - 4$.

a. What is the slope and the y -intercept of $y = 2x - 4$

b. Make a table and graph $y = 2x - 4$

x	-1	0	1	2	3
y					



c. How could you find the x -intercept of $y = 2x - 4$ with your graph? How would you find it with the table? Explain.

3-55. Multiply the algebraic expressions. Use the generic rectangle method or the distributive property method.

a. $(x + 3)(2x + 1)$

b. $2x(x + 5)$

c. $(2x + 1)(2x + 1)$

d. $(2x)(4x)$

e. $2(3x + 5)$

5. $y(2x + y + 3)$

3-98. Simplify each expression using the laws of exponents.

a. $(x^2)(x^2y^3)$

b. $\frac{x^3y^4}{x^2y^3}$

c. $(2x^2)(-3x^4)$

d. $(2x)^3$