****

**3-24** Complete the table and determine the equation of the line containing the points.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| x | −2 | −1 | 0 | 1 | 2 | 3 |
| y | −7 | −4 |  |  | 5 | 8 |

**3-34.** Solve each equation.  Show the check to prove your answer is correct.

a. 3x + 5 − x = x – 3 b. 5x − (x + 1) = 5 − 2x

**3-44.** Simplify each expression below, if possible.

1. 5x(3x)
2. 5x + 3x
3. 6x(x)
4. 6x + x

**3-81.** Find each of the following products by drawing and labeling a generic rectangle or by using the Distributive Property.

* 1. −4*y*(5*x* + 8*y*)
  2. 9*x*(− 4 + 10*y*)
  3. (*x*2 − 2)(*x*2 + 3*x* + 5)

**3-83.** Find the dimensions of the generis rectangle below.  Then write an equivalency statement (length · width = area) of the area as a product and as a sum.

