**Nombre:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Grupo:\_\_\_\_\_\_\_ Fecha:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Repaso Examen #4 Funciones lineales**

1. Determine si el punto dado pertenece a la función
2. f(x) = 2x
3. (1, 4) b. (-1, -3) c. (5, 10)
4. f(x) = 3x + 7
5. (0, 7) b. (-1, 5) c. (-4, -1)
6. f(x) = ¼ x + 1
7. (4, 0) b. (16, -5) c. (-20, -4)
8. f(x) = -½ x – 4
9. (10, -9) b. (2, 5) c. (12, -10)
10. f(x) = x – 1
11. (1, 4) b. (-1, -2) c. (5, -15)
12. Resuelve cada función por tabla y grafica

1.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| x | f(x) = 2x + 5 | (x, y) |  | x | f(x) = 2x – 5 | (x, y) |
| -2 |  |  |  | -2 |  |  |
| -1 |  |  |  | -1 |  |  |
| 0 |  |  |  | 0 |  |  |
| 1 |  |  |  | 1 |  |  |
| 2 |  |  |  | 2 |  |  |

2.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| x | f(x) = ½ x | (x, y) |  | x | f(x) = ¼ x | (x, y) |
| -8 |  |  |  | -8 |  |  |
| -6 |  |  |  | -4 |  |  |
| -4 |  |  |  | 0 |  |  |
| -2 |  |  |  | 4 |  |  |
| 0 |  |  |  | 8 |  |  |

3.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| x | f(x) = 5x | (x, y) |  | x | f(x) = 1/5 x + 1 | (x, y) |
| -2 |  |  |  | -10 |  |  |
| -1 |  |  |  | -5 |  |  |
| 0 |  |  |  | 0 |  |  |
| 1 |  |  |  | 5 |  |  |
| 2 |  |  |  | 10 |  |  |

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