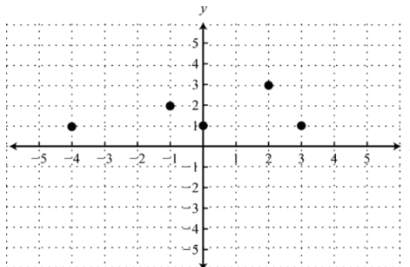


Evaluating Functions

Evaluate each of the following **functions** (y) for the given **input** (x). Use the given **equation, table** or **graph**.

1. $y = 4x + 1$; $x = 2$

5. $x = -4$



2. $y = -x + 5$; $x = -3$

6. $y = x^2 + x$; $x = 9$

3. $x = 8$

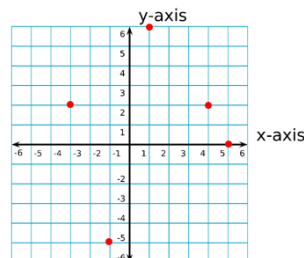
| Input | Output |
|-------|--------|
| 2 | A |
| 4 | 3 |
| 6 | B |
| 8 | 7 |
| 10 | 9 |

7. $x = 2$

| x | y |
|-----|-----|
| 0 | 3 |
| 2 | 11 |
| 4 | 19 |
| 6 | 27 |
| 8 | 35 |

4. $y = 5 - 6x$; $x = 0$

8. $x = 1$



9. $x = 5$

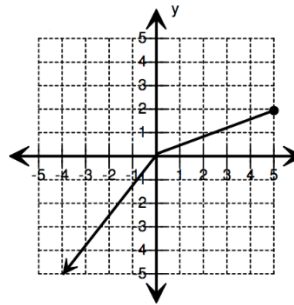
Input-Output Table

| x | y |
|-----|-----|
| 1 | 7 |
| 3 | 11 |
| 5 | 15 |
| 20 | 45 |

13. $y = x^2 - x + 1$; $x = -4$

10. $y = x^2$; $x = 7$

14. $x = -3$

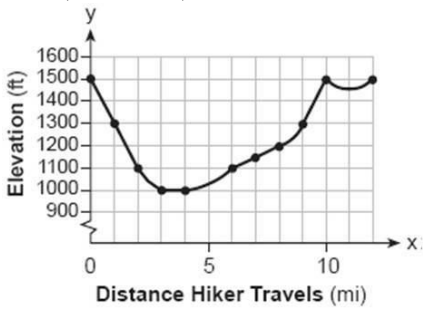


11. $x = 2$

| | | | | | | | |
|-----|----|----|----|---|----|----|----|
| x | -3 | -2 | -1 | 0 | 1 | 2 | 3 |
| y | 1 | -2 | 2 | 4 | -3 | -2 | -1 |

15. $y = \frac{1}{2}x + \frac{3}{2}$; $x = 5$

12. (distance) $x = 10$



16. $y = \frac{x}{6} - 10$; $x = 12$