



# Writing equations with 2 variables

## Grade 5 Pre-Algebra Worksheet

Complete the given tables and determine the equation that each describes below.

1.

| x | y  |
|---|----|
| 0 | 10 |
| 1 | 9  |
| 2 | 8  |
| 3 |    |
| 4 |    |

Equation:  $y =$  \_\_\_\_\_

2.

| x | y |
|---|---|
| 2 | 0 |
| 3 |   |
| 4 | 2 |
| 5 | 3 |
| 6 |   |

Equation:  $y =$  \_\_\_\_\_

3.

| x  | y  |
|----|----|
| 2  | 3  |
| 4  |    |
| 6  | 7  |
| 8  |    |
| 10 | 11 |

Equation:  $y =$  \_\_\_\_\_

4.

| x  | y  |
|----|----|
| 10 | 30 |
| 9  |    |
| 8  |    |
| 7  | 21 |
| 6  | 18 |

Equation:  $y =$  \_\_\_\_\_

5.

| x | y |
|---|---|
| 1 | 3 |
| 2 |   |
| 3 | 5 |
| 4 |   |
| 5 | 7 |

Equation:  $y =$  \_\_\_\_\_

6.

| x | y  |
|---|----|
| 1 | 10 |
| 3 |    |
| 5 | 50 |
| 7 | 70 |
| 9 |    |

Equation:  $y =$  \_\_\_\_\_



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Complete the given tables and determine the equation that each describes below.

1.

| x | y  |
|---|----|
| 0 | 10 |
| 1 | 9  |
| 2 | 8  |
| 3 | 7  |
| 4 | 6  |

Equation:  $y = 10 - x$

2.

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

Equation:  $y = x - 2$

3.

| x  | y  |
|----|----|
| 2  | 3  |
| 4  | 5  |
| 6  | 7  |
| 8  | 9  |
| 10 | 11 |

Equation:  $y = x + 1$

4.

| x  | y  |
|----|----|
| 10 | 30 |
| 9  | 27 |
| 8  | 24 |
| 7  | 21 |
| 6  | 18 |

Equation:  $y = 3x$

5.

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

Equation:  $y = x + 2$

6.

| x | y  |
|---|----|
| 1 | 10 |
| 3 | 30 |
| 5 | 50 |
| 7 | 70 |
| 9 | 90 |

Equation:  $y = 10x$