

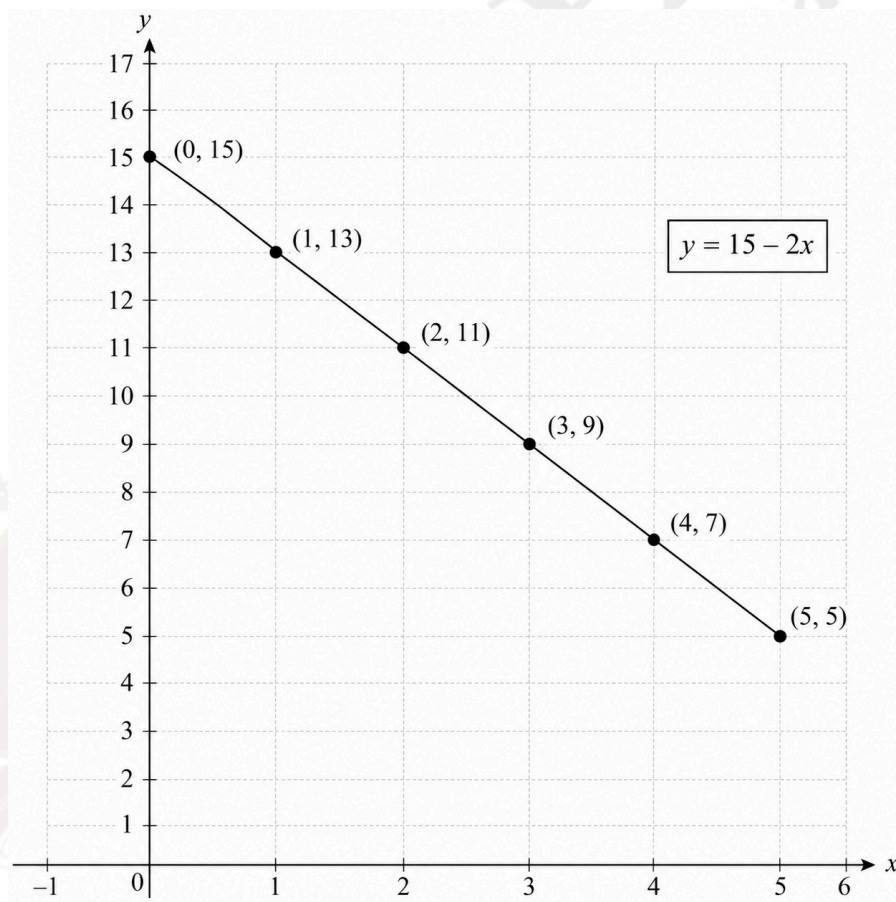
# Class 9 Mathematics - Introduction to Linear Polynomials

Name: \_\_\_\_\_

Date: \_\_\_\_\_

## Advanced Worksheet 3

### Questions



The graph shows the relationship:  $y = 15 - 2x$

1. Find  $y$  when  $x = 0$ .
2. Find  $y$  when  $x = 3$ .
3. Find  $y$  when  $x = 5$ .
4. Does  $y$  increase or decrease as  $x$  increases?
5. What is the coefficient of  $x$ ?
6. Is this an example of linear growth or linear decay?

**Answer Key**

1. 15
2. 9
3. 5
4. Decrease
5.  $-2$
6. Linear decay