

# Class 9 Mathematics - Exploring Algebraic Identities

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

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

## Medium Worksheet 2

### Questions

1. Expand  $(x - 6)^2$ .
2. Expand  $(2a - 3)^2$ .
3. Expand  $(4m - n)^2$ .
4. Expand  $(3x - 2y)^2$ .
5. Expand  $(5p - 4q)^2$ .
6. Expand  $(7a - b)^2$ .

### Answer Key

1.  $x^2 - 12x + 36$
2.  $4a^2 - 12a + 9$
3.  $16m^2 - 8mn + n^2$
4.  $9x^2 - 12xy + 4y^2$
5.  $25p^2 - 40pq + 16q^2$
6.  $49a^2 - 14ab + b^2$