

Class 9 Mathematics - Exploring Algebraic Identities

Name: _____

Date: _____

Medium Worksheet 3

Questions

1. Factorise $x^2 + 8x + 16$.
2. Factorise $x^2 + 14x + 49$.
3. Factorise $x^2 - 10x + 25$.
4. Factorise $4x^2 + 12x + 9$.
5. Factorise $9y^2 - 24y + 16$.
6. Factorise $25m^2 + 30m + 9$.

Answer Key

1. $(x + 4)^2$
2. $(x + 7)^2$
3. $(x - 5)^2$
4. $(2x + 3)^2$
5. $(3y - 4)^2$
6. $(5m + 3)^2$