

Class 9 Mathematics - Exploring Algebraic Identities

Name: _____

Date: _____

Advanced Worksheet 2

Questions

1. Factorise: $x^2 - 49$
2. Factorise: $4a^2 - 25$
3. Factorise: $9m^2 - 16n^2$
4. Factorise: $25p^2 - q^2$
5. Factorise: $49x^2 - 81y^2$
6. Factorise: $121a^2 - b^2$

Answer Key

1. $(x + 7)(x - 7)$
2. $(2a + 5)(2a - 5)$
3. $(3m + 4n)(3m - 4n)$
4. $(5p + q)(5p - q)$
5. $(7x + 9y)(7x - 9y)$
6. $(11a + b)(11a - b)$