

Difference of Two Squares



Section A

Factorise the following using the difference of two squares.

HINT: Take out a common factor first.

1) $x^2 - 25$

5) $2x^2 - 32$

2) $x^2 - 49$

6) $5x^2 - 45$

3) $x^2 - 100$

7) $4x^2 - 144$

4) $x^2 - 225$

8) $7x^2 - 567$

Section B

Factorise the following using the difference of two squares.

1) $4a^2 - 9$

5) $x^2 - 9y^2$

2) $36s^2 - 121$

6) $63 - 7q^2$

3) $64 - p^2$

7) $196 - 4v^2$

4) $25 - 16c^2$

8) $4x^2 - 121y^2$

Extension

Factorise the following using the difference of two squares.

$$2a^3b - 8ab^3$$

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