

# Activity Worksheet

Challenging brain

Sub : Mathematics

Grade: IX

Date: .....

Name: .....

ID No.....

## Factorisation of Polynomials

Factorise the following using appropriate identities:

1.  $x^2 - \frac{y^2}{100}$

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2.  $4y^2 - 4y + 1$

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3.  $2x^2 + y^2 + 8z^2 - 2\sqrt{2}yz - 8xz$

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4.  $27p^3 - \frac{1}{216} - \frac{9}{2}p^2 + \frac{1}{4}p$

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5.  $64m^3 - 343n^3$

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6.  $27x^3 + y^3 + z^3 - 9xyz$

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