

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

## Factors: Algebraic Identities

MS3

Factorize each expression using algebraic identities.

1)  $24u^2 - 9u^3 - 7u$

2)  $8b^2 - 8b + 2$

3)  $\frac{27c^3}{d^2} - 12c$

5)  $16t^2 + \frac{s^2}{t^2} - 8$

7)  $64h^3 + 48h^2 + 9h$

9)  $4x^2y^2 + 8wxy^2 + 3w^2y^2$

10)  $\frac{81}{r^2} - r^2$

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