

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

## Factorize & Simplify

MS2

Factorize each expression and reduce to its lowest term.

1)  $\frac{c^2 - 9c + 14}{c^2 - 12c + 35}$

2)  $\frac{81y^2 - 64}{9y - 8}$

3)  $\frac{1 + 3a + 9a^2}{1 - 27a^3}$

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5)  $\frac{u^2 - 6u + 9}{u - 3}$

7)  $\frac{n^2 - 8n + 15}{n^2 + n - 12}$

8)  $\frac{t^2 + 10t + 25}{7t + 35}$