

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

## Factorize & Simplify

DS2

Factorize each expression and reduce to its lowest term.

1)  $\frac{r^2 - 28r + 115}{r^3 - 125}$

2)  $\frac{y^2 + 2y - 63}{7 - y}$

3)  $\frac{4b^2 - 36b + 80}{8b - 40}$

# PREVIEW

$$\frac{64}{128}$$

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5)  $\frac{9x^2 + 24x + 16}{x^2 + 15x + 20}$

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$$\frac{(2p - 1)}{p - 11}$$

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7)  $\frac{s^2 + 21s + 38}{s^2 - 361}$

8)  $\frac{5m^3 - 45m^2 + 70m}{10m^2 - 20m}$