

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

## Simplifying Expressions

MS2

Simplify each expression.

1)  $\frac{(m+5)(m+2)}{m^2-m-6} \times \frac{m^2+m-12}{(m+5)^2}$

2)  $\frac{p^2+5p+6}{p-2} \div \frac{p^2+3p}{p^2-2p}$

3)  $\frac{a^2-4b^2}{a^2-9c^2} \times \frac{a}{a}$

# PREVIEW

$\frac{6u+24v}{u^2-uv}$

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5)  $\frac{q^2+3q+2}{q^2-4q-12}$

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$\times \frac{c^3-12c^2+35c}{28c^2-7cd}$

7)  $\frac{16x^2-9y^2}{x^2-2x-24} \div \frac{8x+6y}{(2x-12)(x+4)}$

8)  $\frac{s^3t^3+1}{s^2-13s-48} \times \frac{s^2-16s}{s^2t+s}$

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