

UNIT 1 MCR 3UI Exam Review

Simplify and state restrictions on the variable(s)

a) $f(x) = \frac{2xy - 12y^2}{18y^2 - 3xy}$

$$\text{b) } g(x) = \frac{a^2 - 4ab - 21b^2}{2a^2 + ab} \div \frac{a^2 - 9b^2}{2a^2 - 5ab - 3b^2}$$

$$c) h(x) = \frac{y-3}{y^2+5y+6} - \frac{5}{y^2-y-12}$$

$$d) k(x) = \frac{1}{3x^2} - \frac{15}{4x} \times \frac{3x}{5x}$$