Name: _____   Date: _____

Learning Goal 6.1	Simplifying and applying operations to rational expressions, identifying any non-permissible values.

Simplify and state the non-permissible values.

a. $\dfrac{m}{n} - \dfrac{m+1}{n}$

b. $\dfrac{10m-1}{4m-3} - \dfrac{8-2m}{4m-3}$

c. $\dfrac{2x^2-x}{x^2-2x-3} + \dfrac{3-6x}{x^2-2x-3} - \dfrac{-3}{x^2-2x-3}$

d. $\dfrac{4}{p^2-1} + \dfrac{3}{p+1}$

e. $\dfrac{x-1}{x^2+x-6} - \dfrac{x-2}{x^2+4x+3}$

f. $\dfrac{2 + {}^4\!/_x}{x - {}^4\!/_x}$

g. $\dfrac{6x}{2x+6} \div \dfrac{4x^2}{5x+15} - \dfrac{x}{2}$