Name: _____   Date: _____

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

Simplify each rational expressions and state the non-permissible values.

a. $\dfrac{-25a^3b^2c}{35ab^5}$

b. $\dfrac{6 - 2m}{m^2 - 9}$

c. $\dfrac{6x^2 + 12x}{3x}$

d. $\dfrac{x^2 - 49}{x^2 - 5x - 14}$

e. $\dfrac{2x^2 - 5x - 3}{9 - x^2}$

f. $\dfrac{x^2 + 6x + 8}{x^2 - 4}$