

MATH 150 - WEEK-IN-REVIEW 4
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PROBLEM STATEMENTS

1. Find the indicated information for the following functions.

(a) $f(x) = \frac{2x^2 - 7x + 3}{x^2 - 2x - 3}$

Domain: _____

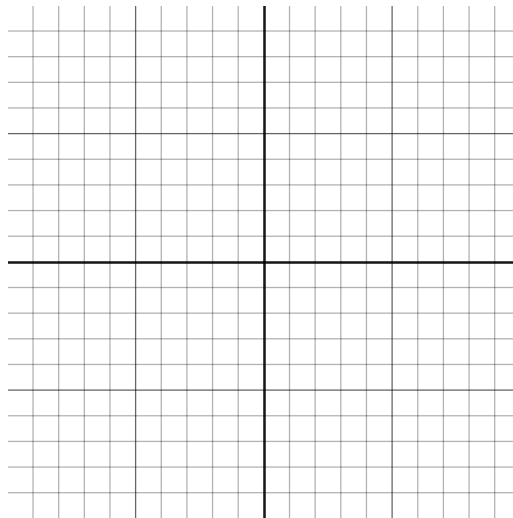
Hole(s): _____

Vertical Asymptote(s): _____

y -intercept: _____

x -intercept(s): _____

Horizontal Asymptote(s): _____





(b) $g(x) = \frac{5x(x-8)}{(x-4)^2}$

Domain: _____

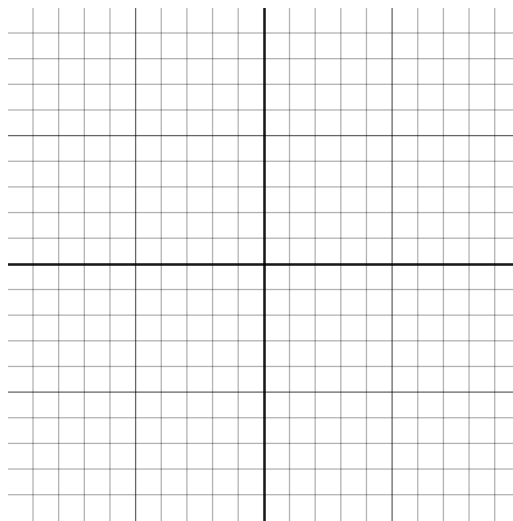
Hole(s): _____

Vertical Asymptote(s): _____

y -intercept: _____

x -intercept(s): _____

Horizontal Asymptote(s): _____





$$(c) \ g(x) = \frac{8x^2 - 10x + 3}{x - 1}$$

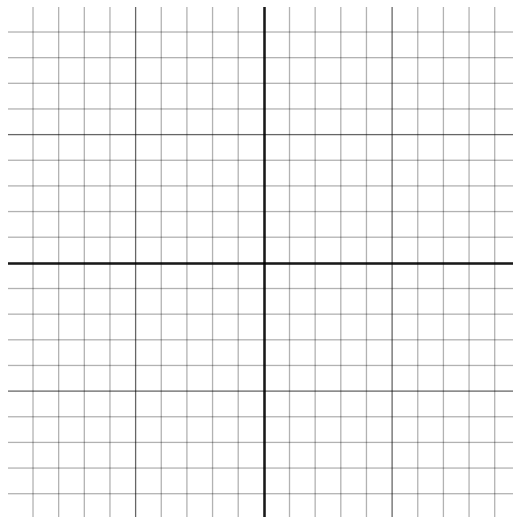
Domain: _____

Hole(s): _____

Vertical Asymptote(s): _____

 y -intercept: _____ x -intercept(s): _____

Horizontal Asymptote(s): _____





2. $g(x) = \frac{x - 2}{x^2 + 4}$

Domain: _____

Hole(s): _____

Vertical Asymptote(s): _____

y -intercept: _____

x -intercept(s): _____

Horizontal Asymptote(s): _____

