MHF 4UI - EXAM REVIEW

Chapter 2 - Rational Functions

Graphing Rational Functions

As۱	/m	pto	tes:
	,		

Vertical:

Horizontal:

Oblique:

Example: Calculate the oblique asymptote for the equation:

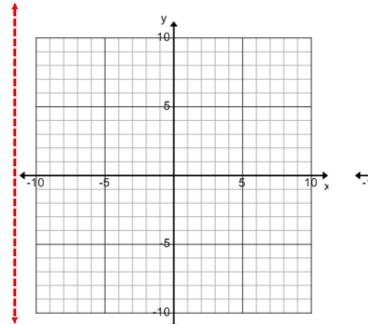
$$y = \frac{5x^2 + 3x - 2}{x - 1}$$

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Example: Graph :
$$\frac{x}{x^2 - 3x - 4}$$

a) Intercepts

- b) Domain
- c) Vertical Asymptotes



d) Horizontal Asymptote (Is it crossed?)

Solving Rational Equations and Inequalities

Example: Solve $\frac{2x}{x+1} \ge 0$

FIRST: Solve

THEN: Use

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Limits:

You will only need to calculate limits to find vertical and horizontal asymptotes.