

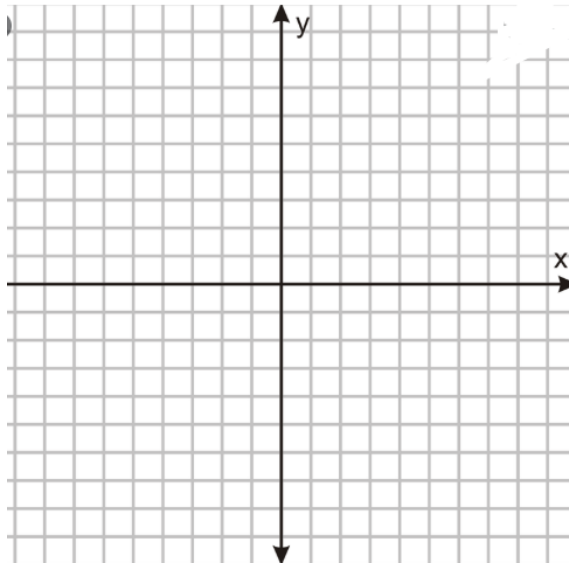
Name: _____

Graphing Rationals

Find all intercepts, holes, asymptotes and the domain, then graph.

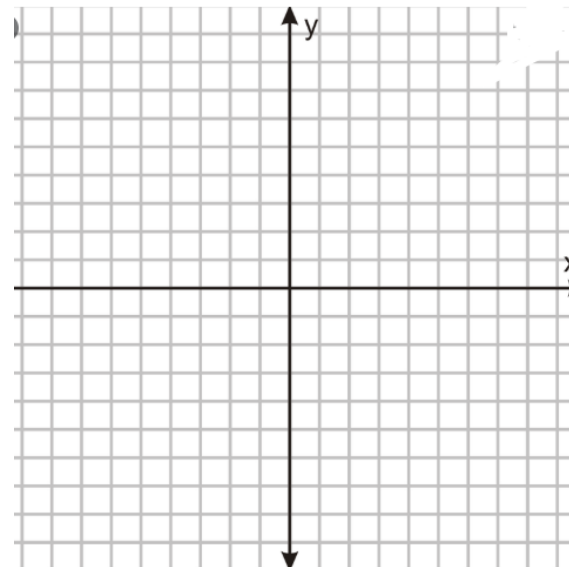
1) $f(x) = \frac{3x^2 - 12}{x^2 - 3x - 10}$

- a) y-intercept: _____
- b) Horizontal Asymptote: _____
- c) Oblique Asymptote: _____
- d) Domain: _____
- e) Holes: _____
- f) x-intercepts: _____
- g) Vertical Asymptotes: _____



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

- a) y-intercept: _____
- b) Horizontal Asymptote: _____
- c) Oblique Asymptote: _____
- d) Domain: _____
- e) Holes: _____
- f) x-intercepts: _____
- g) Vertical Asymptotes: _____



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

- a) y-intercept: _____
- b) Horizontal Asymptote: _____
- c) Oblique Asymptote: _____
- d) Domain: _____
- e) Holes: _____
- f) x-intercepts: _____
- g) Vertical Asymptotes: _____

