

MORE PRACTICE – Rational Functions

State the values of any vertical asymptotes, horizontal asymptotes in the graph of the equation of the rational function.

1. $f(x) = \frac{3}{x+4}$ VA: _____ HA: _____

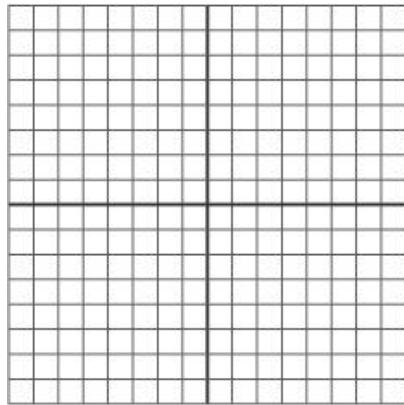
2. $f(x) = \frac{3x}{x^2-9}$ VA: _____ HA: _____

3. $f(x) = \frac{2x^2}{x^2-3x-4}$ VA: _____ HA: _____

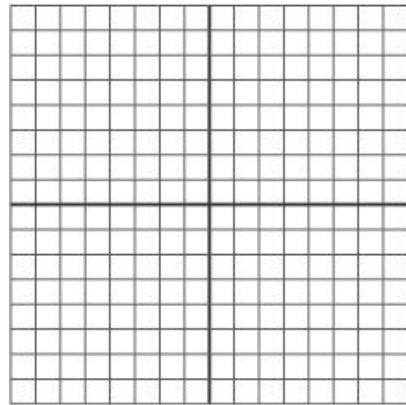
4. $f(x) = \frac{x^5}{x^2+4x+4}$ VA: _____ HA: _____

Graph the following functions:

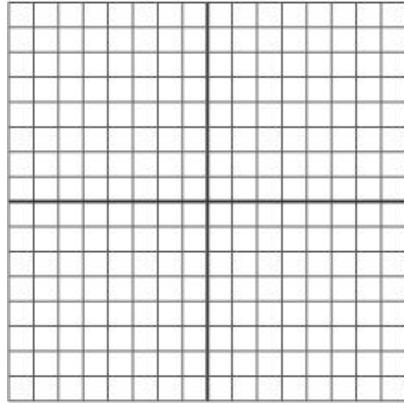
5. $f(x) = \frac{2}{x-4}$



6. $f(x) = \frac{-3x}{x+2}$



7. $f(x) = \frac{2}{x^2-9}$



8. $f(x) = \frac{2x}{x^2-9}$

