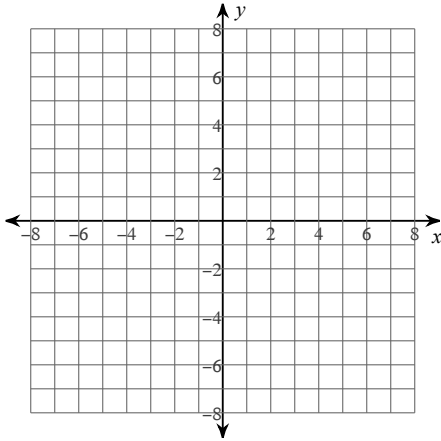


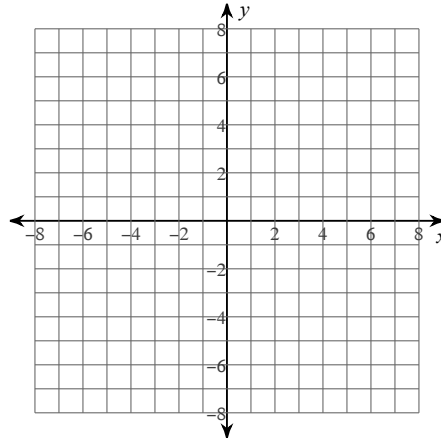
Graphing Rational Functions

Identify the vertical asymptotes and horizontal asymptote of each. Then sketch the graph--that includes drawing the asymptotes and labeling the asymptotes with their equation. State the domain and range.

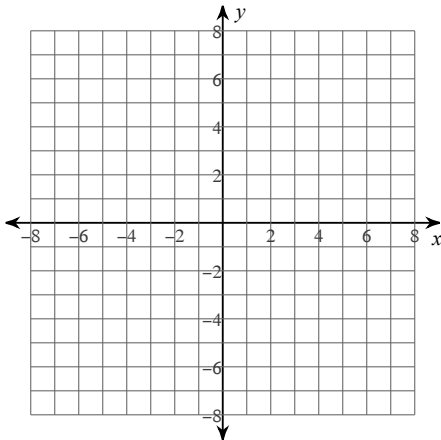
1) $f(x) = \frac{x + 2}{-3x + 12}$



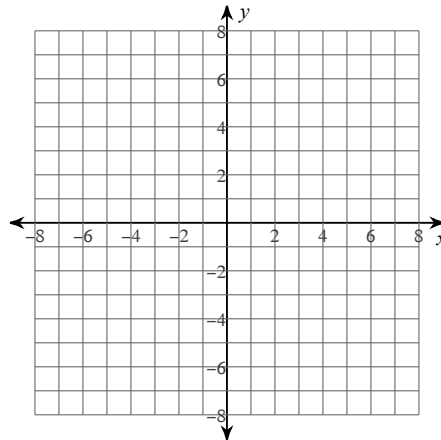
2) $f(x) = \frac{x - 4}{x - 2}$



3) $f(x) = \frac{x}{x + 4}$



4) $f(x) = \frac{x + 4}{-3x + 3}$



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

