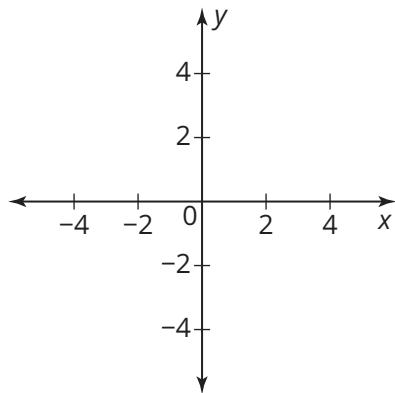
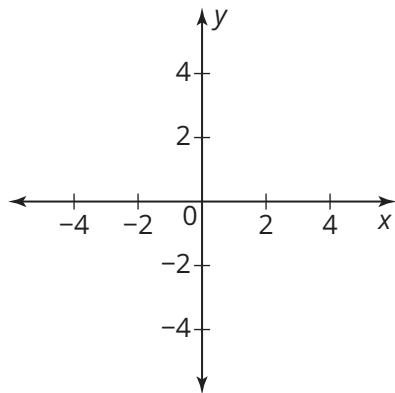


5. Sketch each function without the use of technology. Identify any restrictions.

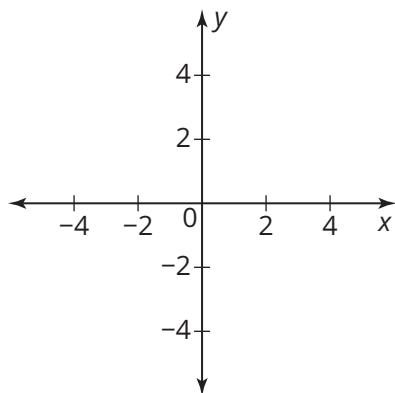
a. $f(x) = \frac{x+2}{x^2 + 4x + 4}$



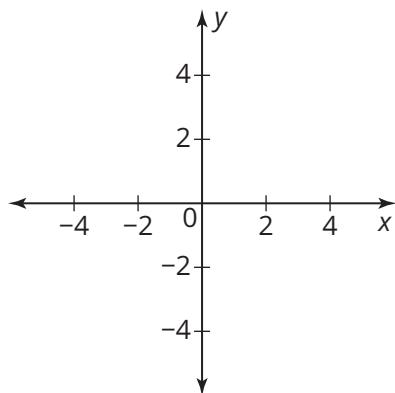
b. $g(x) = \frac{x}{x^2 + 3x}$



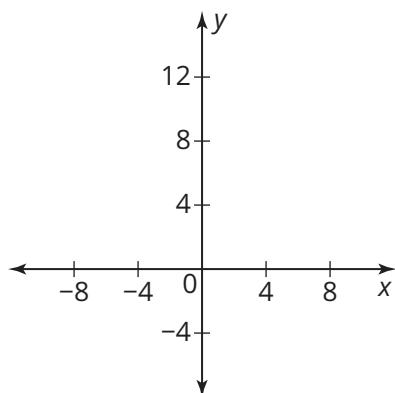
c. $h(x) = \frac{x}{x^3 - x}$



d. $m(x) = \frac{x^2 + 5x + 6}{x^2 + 5x + 6}$



e. $k(x) = \frac{x^2 - 2x - 15}{x - 5}$



f. $k(x) = \frac{x^3 + x^2 + 2x + 2}{x + 1}$

