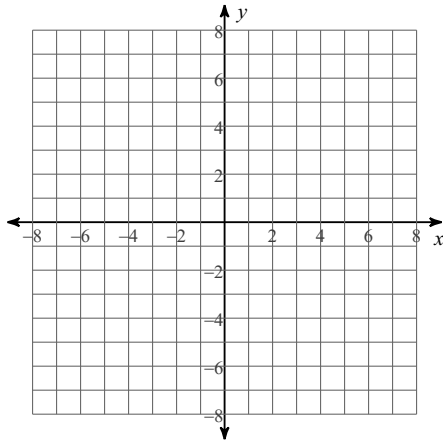


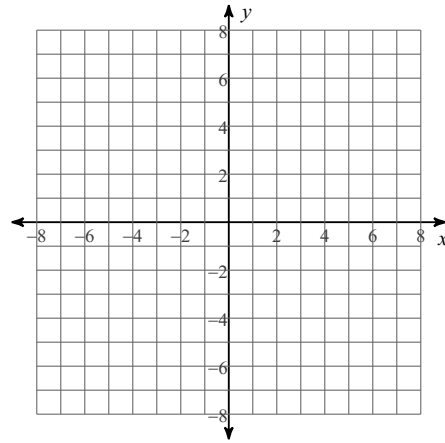
7.3 Graphing Rational Equations

Graph each using a graphing calculator.**Graph horizontal and vertical asymptotes using a dotted line.****Graph holes with an open circle.****State the domain and range.**

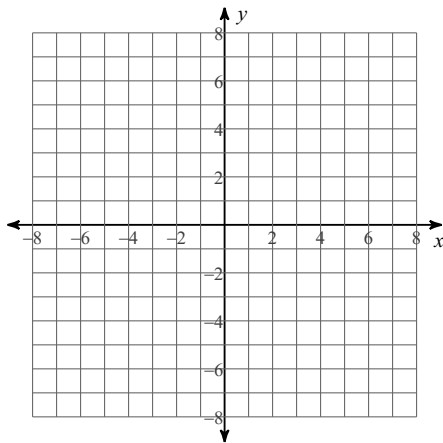
1) $f(x) = \frac{4}{x-1}$



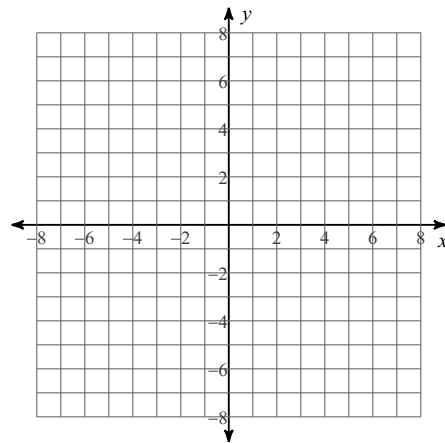
2) $f(x) = \frac{4}{x-2}$



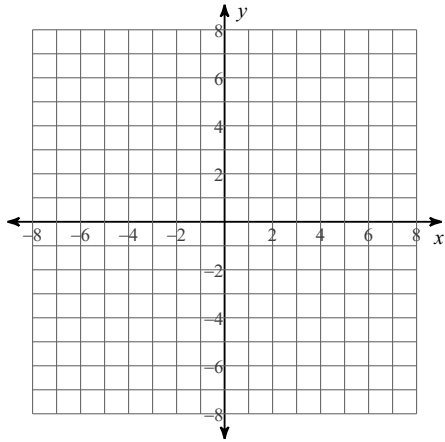
3) $f(x) = \frac{2}{x+2} + 2$



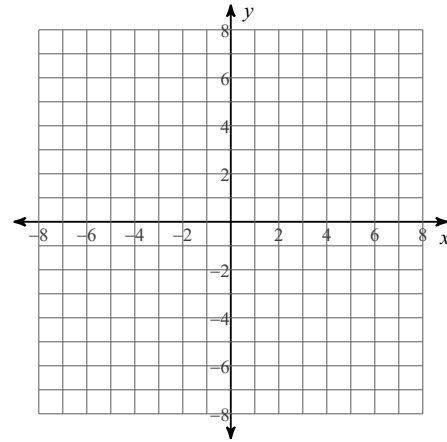
4) $f(x) = \frac{x^2 - 5x + 6}{4x - 4}$



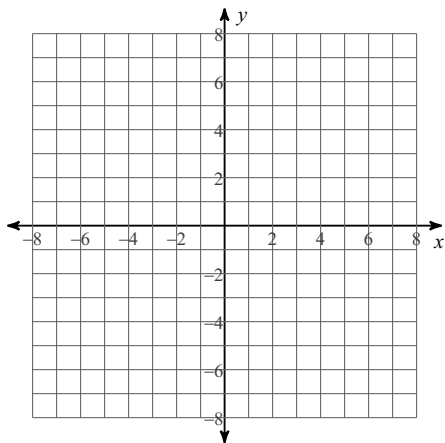
$$5) f(x) = \frac{x^2 + 4x + 3}{x^2 - 2x - 3}$$



$$6) f(x) = \frac{x^2 - 4}{3x^2 - 6x}$$



$$7) f(x) = \frac{x^3 - 5x^2 + 6x}{3x^3 - 12x}$$



$$8) f(x) = \frac{x^2 - 3x - 4}{-2x^2 + 4x + 16}$$

