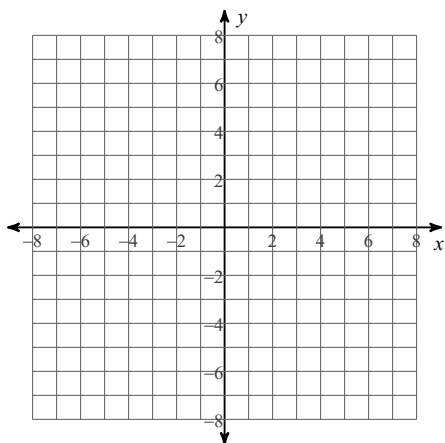


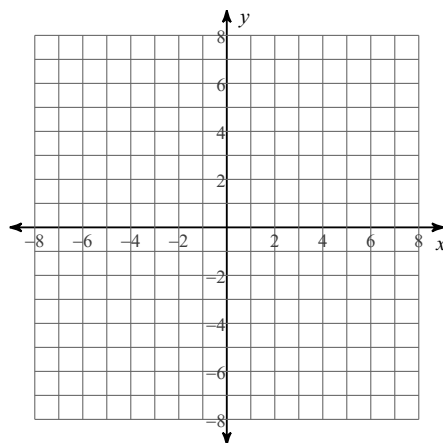
7.1 Finding holes, asymptotes, and domain and range from graphs

Period _____

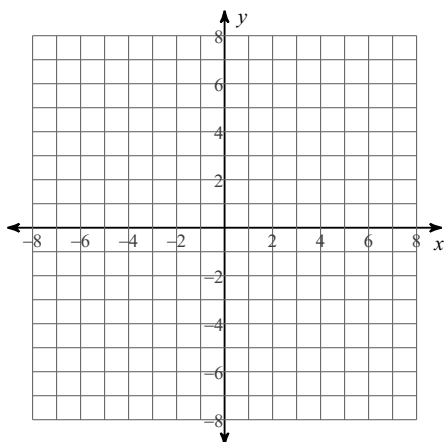
1) $f(x) = \frac{x^3 - 6x^2 + 8x}{-3x^2 + 9x}$



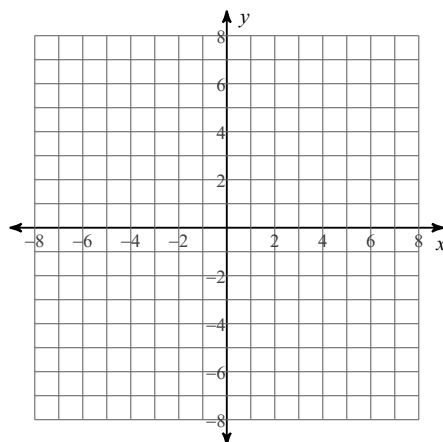
2) $f(x) = \frac{x+1}{2x-2}$



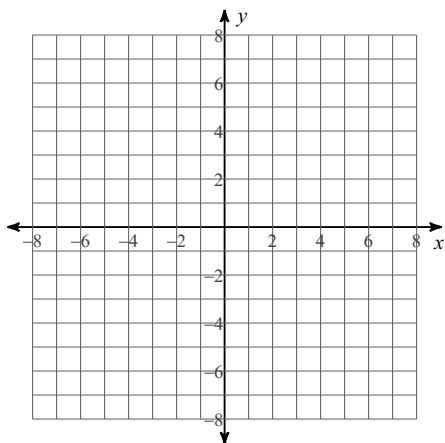
3) $f(x) = \frac{x^3 - x^2 - 2x}{-x^3 - 4x^2 - 3x}$



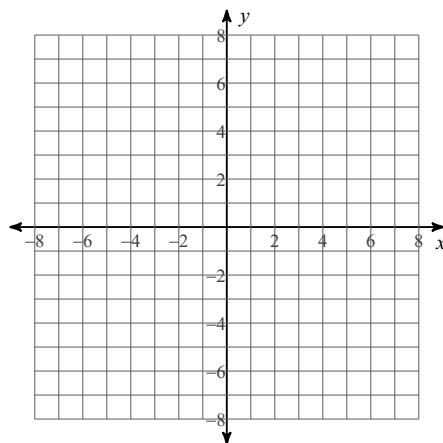
4) $f(x) = \frac{-x^2 - 3x - 2}{x^2 + 4x + 3}$



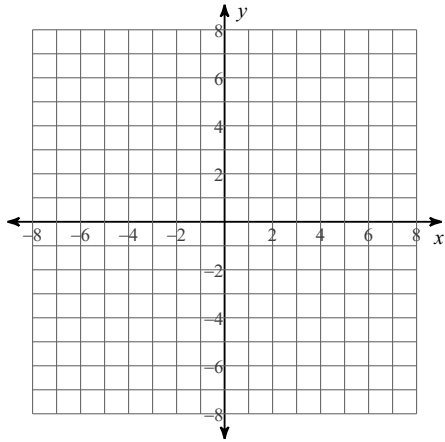
5) $f(x) = \frac{4}{x+1}$



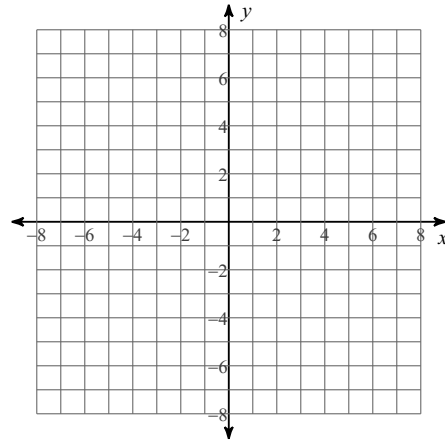
6) $f(x) = \frac{x^2 - 7x + 12}{-3x^2 + 12}$



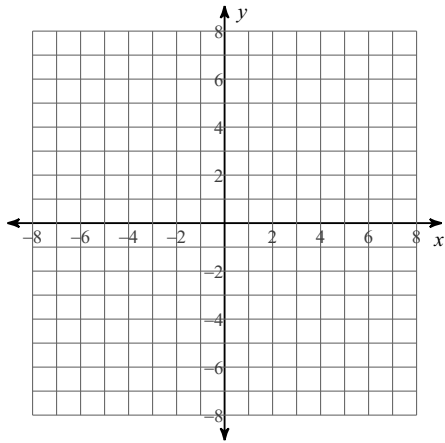
$$7) f(x) = \frac{x^3 - 2x^2 - 3x}{4x^2 - 8x}$$



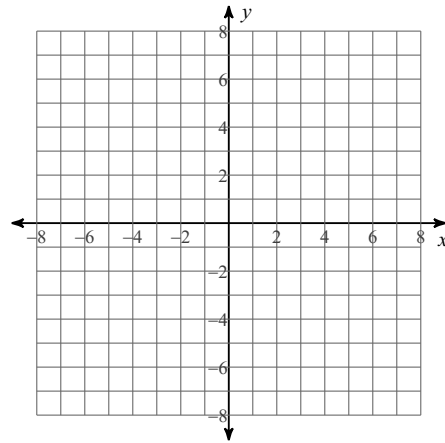
$$8) f(x) = \frac{x^2 + x}{3x^2 + 3x - 6}$$



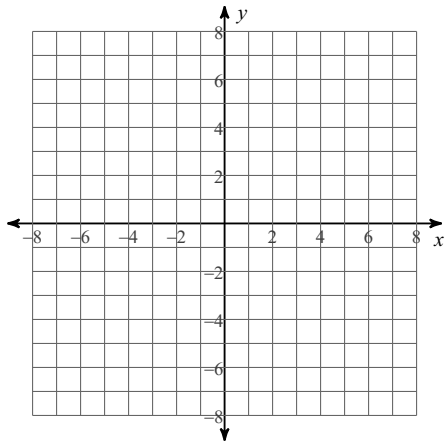
$$9) f(x) = \frac{x^3 - 3x^2 - 4x}{3x^2 - 12}$$



$$10) f(x) = \frac{x - 2}{2x + 8}$$



$$11) f(x) = \frac{4x + 8}{x^2 + x - 2}$$



$$12) f(x) = \frac{x^2 + 3x - 4}{4x^2 - 12x + 8}$$

