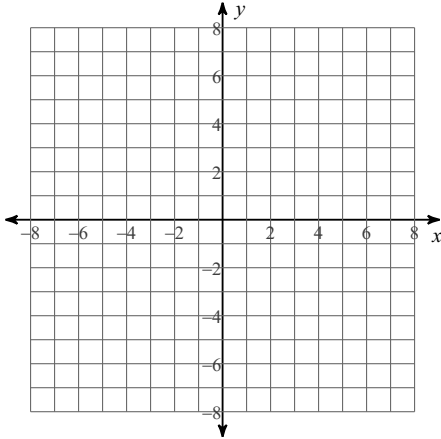


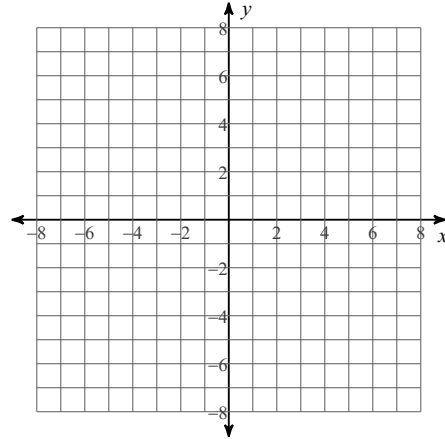
## Graphing and Characteristics

**Graph each function.****State the Domain.****State any Asymptotes it has.****State the intercepts it has.****State the End Behavior of the graph.**

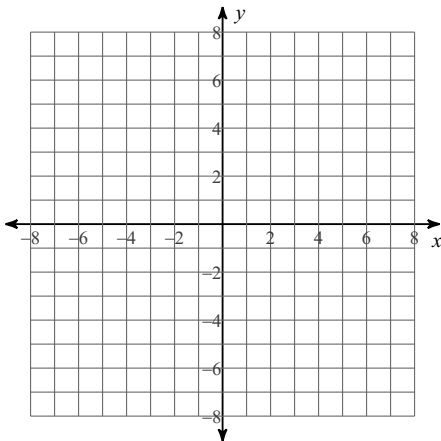
1)  $f(x) = \frac{3}{x^2 - 4}$



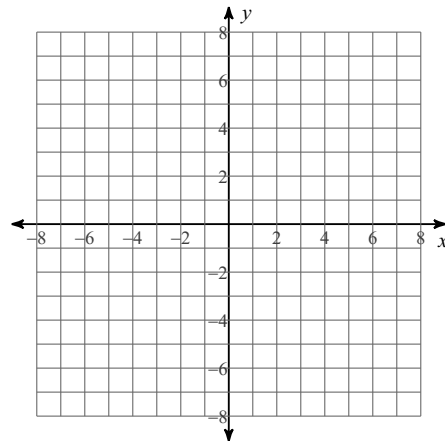
2)  $f(x) = \frac{2x + 8}{x^2 + 4x}$



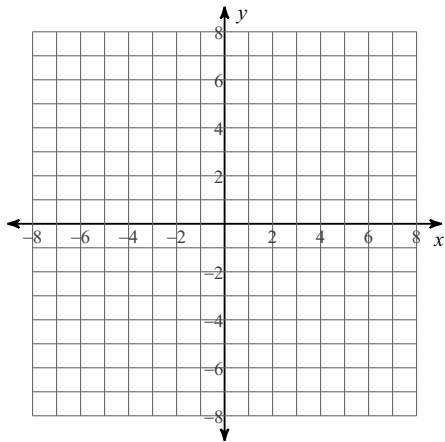
3)  $f(x) = \frac{x^2 - 2x}{4x + 12}$



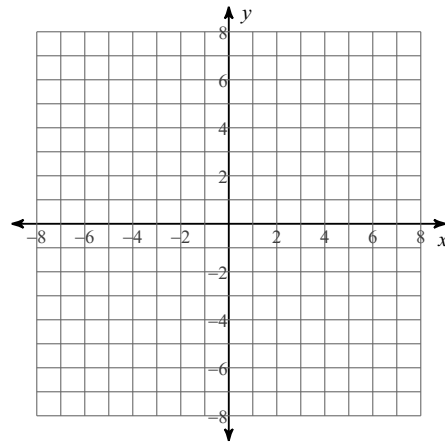
4)  $f(x) = \frac{1}{-2x + 4}$



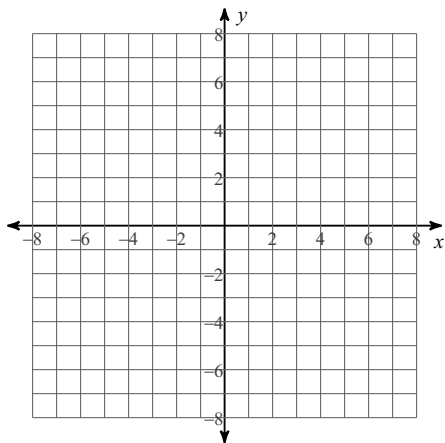
$$5) f(x) = \frac{x^2 - 7x + 12}{4x - 4}$$



$$6) f(x) = \frac{x - 3}{-4x - 16}$$



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



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

