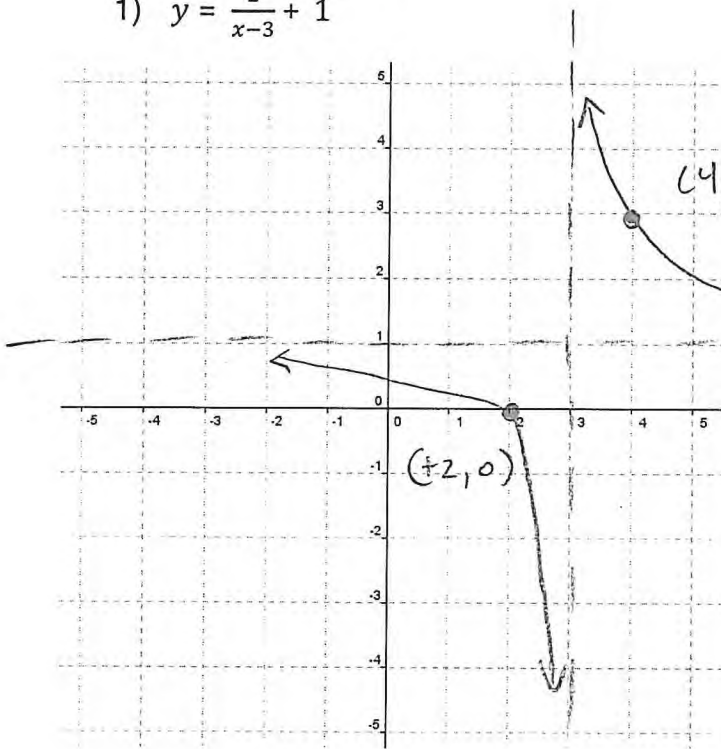
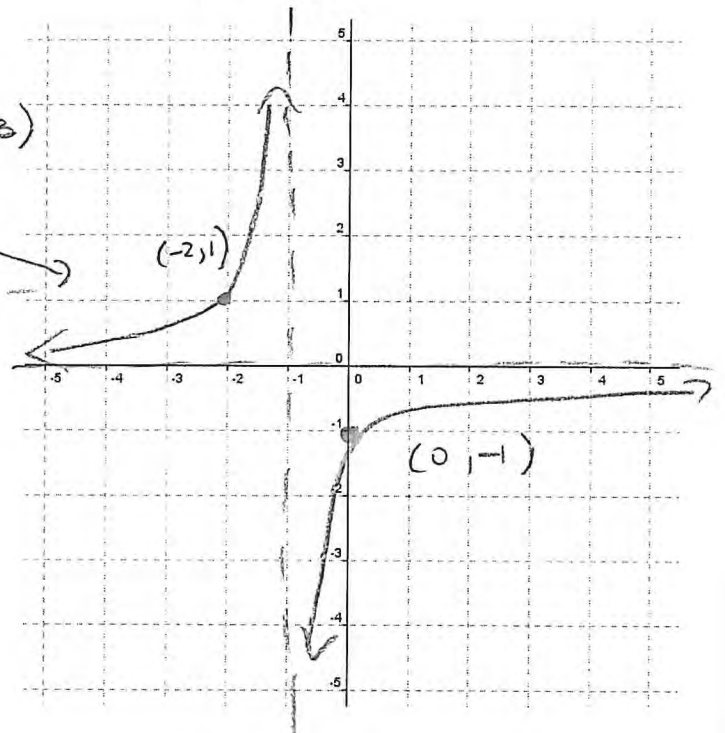


9.1 Assignment: Graph each of the following functions

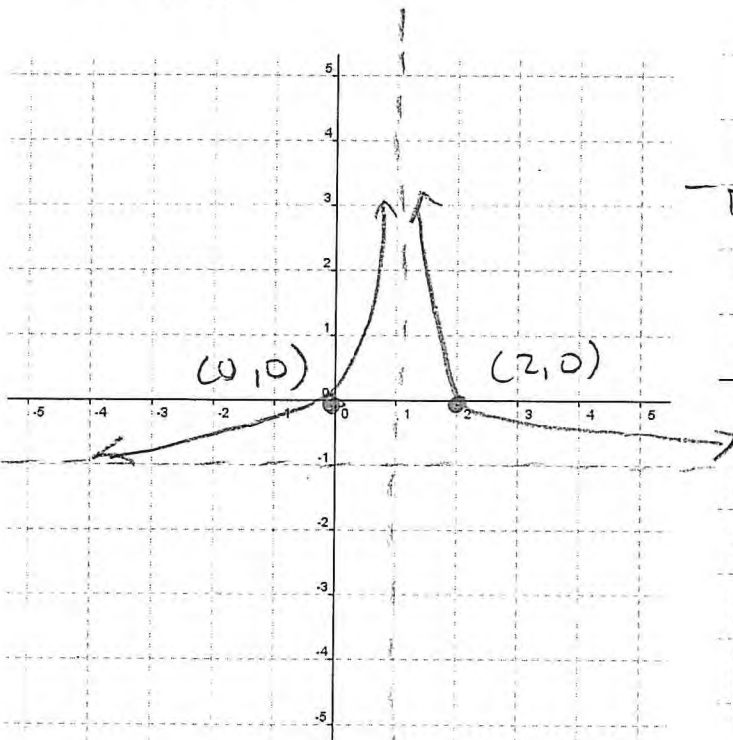
1) $y = \frac{2}{x-3} + 1$



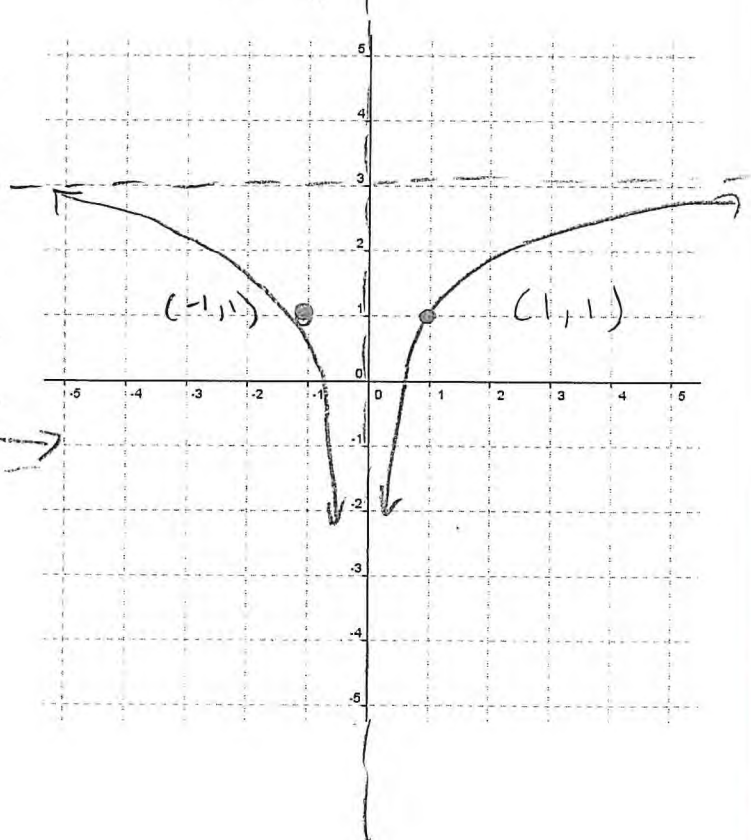
2) $y = \frac{-1}{x+1}$



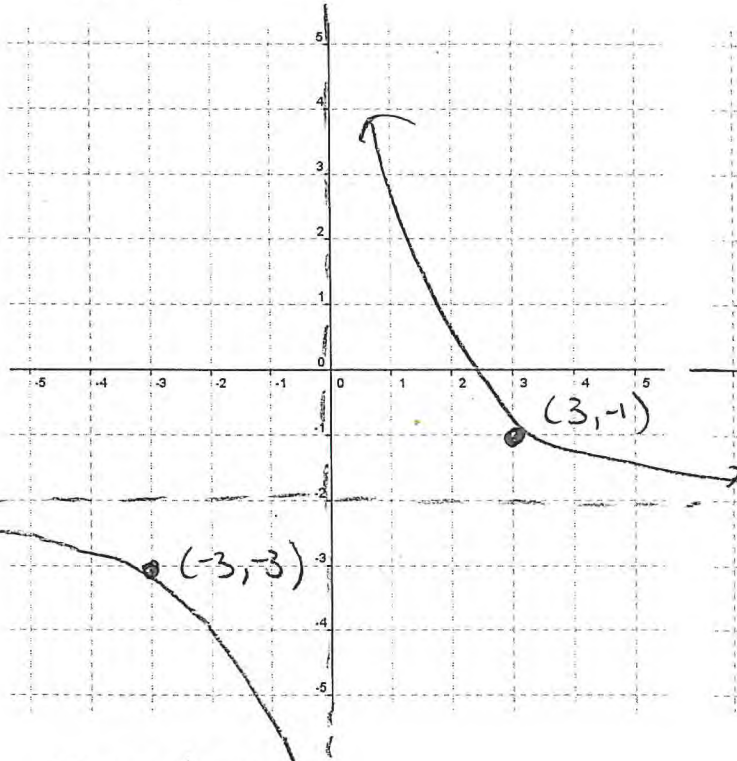
3) $y = \frac{1}{(x-1)^2} - 1$



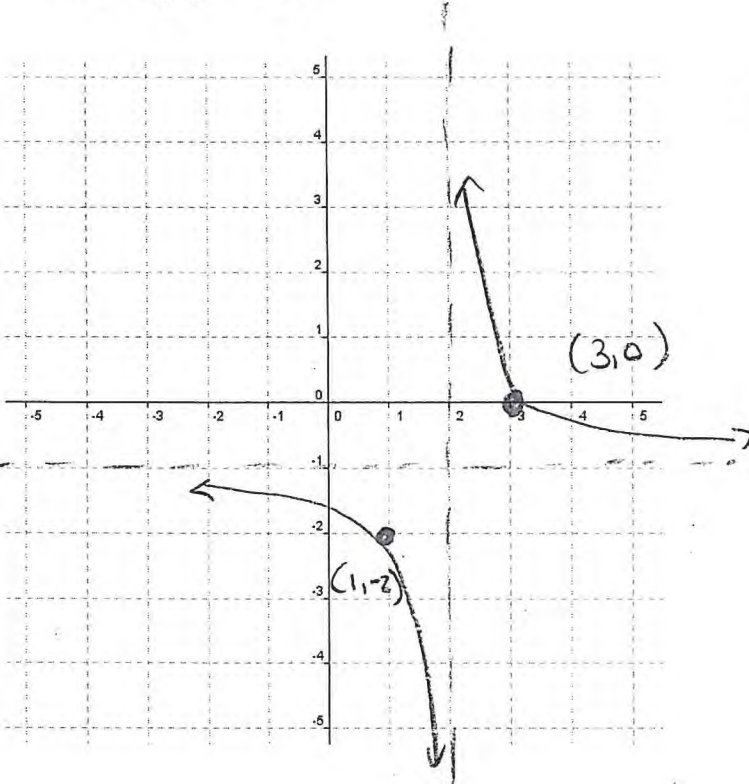
4) $y = \frac{-2}{x^2} + 3$



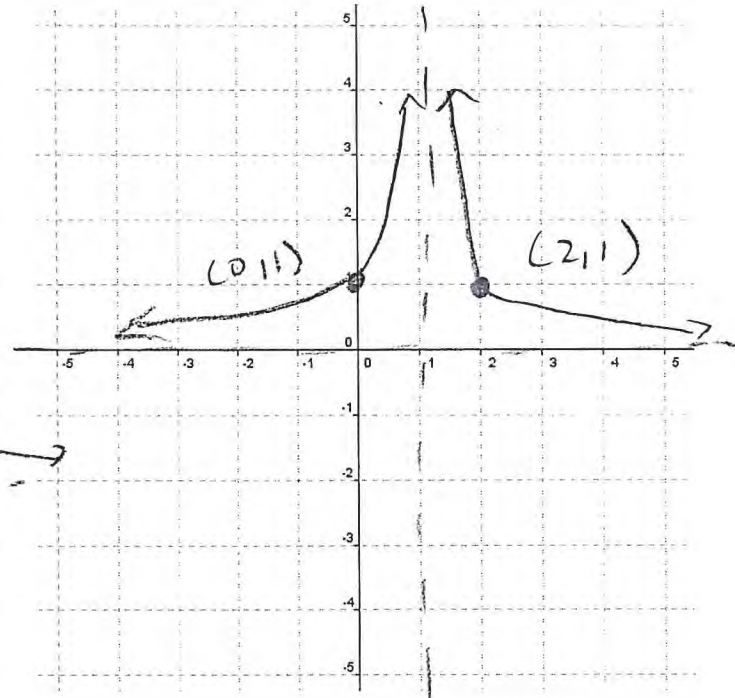
5) $y = \frac{-3}{x} - 2$



7) $y = \frac{1}{x-2} - 1$



6) $y = \frac{1}{(x-1)^2}$



State a) Domain $x \in \mathbb{R}, x \neq 2$

b) Range $y \in \mathbb{R}, y \neq -1$

c) Vertical Asymptote $x = 2$

d) Horizontal Asymptote $y = -1$