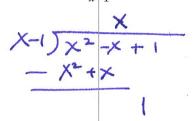
Instructions: Show all work. Give exact answers unless specifically asked to round.

1. Find any vertical, horizontal or slant/oblique asymptotes, and any holes, and use them to graphs the functions.

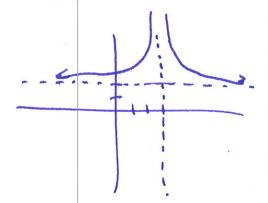
a. $f(x) = \frac{x^2 - x + 1}{x - 1}$



X + 1/X-1

vetted X=1 Obligue Y=X no holes

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



Vertical X=3 hourantal y=2