Note presentations - 2 possible approachy

Math 5A Quiz 1.6 and 3.4 calculating limits

Show all work neatly with clear presentations. Name: _____ (2 points each part)

(1) Compute the following limits. Show work using algebraic methods, not by making a table of numbers or using a graph. After arriving at you answer, you are welcome to look at a graph for further exploration and understanding.

(a)
$$\lim_{x \to +} \frac{x^2}{x-4} = -\frac{1}{2}$$
(b)
$$\lim_{x \to +} \frac{x-9}{3-\sqrt{x}} = -\frac{1}{2}$$
(c)
$$\lim_{x \to +} \frac{x-9}{3-\sqrt{x}} =$$

$$\begin{aligned} & (2) \text{ Given } f(x) = \frac{2^{2x-1}}{x-1} \quad f(x) = \frac{2^{x-1}}{x-1} \quad f(x) + y_{1}f'(x) = x^{2} - 3 \\ & (2) \text{ Given } f(x) = \frac{2^{x-1}}{x-1} \quad y + x \le 0 \\ & (2) \text{ Given } f(x) = \frac{2^{x-1}}{x-1} \quad y + x \le 0 \\ & (2) \text{ Given } f(x) = \frac{2^{x-1}}{x-1} \quad y + x \le 0 \\ & (2) \text{ Given } f(x) = \frac{2^{x-1}}{x-1} \quad y + x \le 0 \\ & (2) \text{ Given } f(x) = 2^{x+1} = 3 \\ & (2) \text{ Given } f(x) = 2^{x+1} = 3 \\ & (2) \text{ Given } f(x) = \frac{2^{x-1}}{x-2} \quad (y+1) = 2^{x} + (= 3) \\ & (1) \text{ Given } f(x) = \frac{2^{x-1}}{x-2} \quad (y+1) = 2^{x} + (= 3) \\ & (1) \text{ Given } f(x) = \frac{2^{x-1}}{x-2} \quad (y+1) = 2^{x} + (= 3) \\ & (1) \text{ Given } f(x) = \frac{3^{x^{2}}}{x-2^{x}} \quad (y+1) = 2^{x} + (= 3) \\ & (2) \text{ Given } f(x) = \frac{3^{x^{2}}}{x-2^{x}} \quad (y+1) = 2^{x} + (= 3) \\ & (3) \text{ Compute the following imme Solutions.} \\ & (3) \text{ Compute the following imme Solutions.} \\ & (3) \text{ Compute the following imme Solutions.} \\ & (3) \text{ Compute the following imme Solutions.} \\ & (3) \text{ Compute the following imme Solutions.} \\ & (3) \text{ Compute the following imme Solutions.} \\ & (3) \text{ Given } \frac{3^{x^{2}}}{x^{2}+2x+1} = 0 \\ & (3) \text{ Given } \frac{3^{x^{2}}}{x^{2}+2x+1} = \frac{2^{x^{2}}}{x^{2}+2x+1} \quad (x = 3) \\ & (3) \text{ Given } \frac{3^{x^{2}}}{x^{2}+2x+1} = \frac{2^{x^{2}}}{x^{2}+2x+1} \quad (x = 3) \\ & (3) \text{ Given } \frac{3^{x^{2}}}{x^{2}+2x+1} = \frac{2^{x^{2}}}{x^{2}+16} = \frac{2^$$