

If f is defined on an open interval containing a, except perhoss at a, we say & is discontinuous at a if f is not continuous at a.

B 0 = x

1/4: (-00,0) U(0,00)

(2) + (a) is defined at all points except a = 0

3) f is discontinous at 0.

$$f(x) = \frac{x^2 + 5x - 2}{x + 3}$$
: Find all Points of discontinuities.

(1) a = x

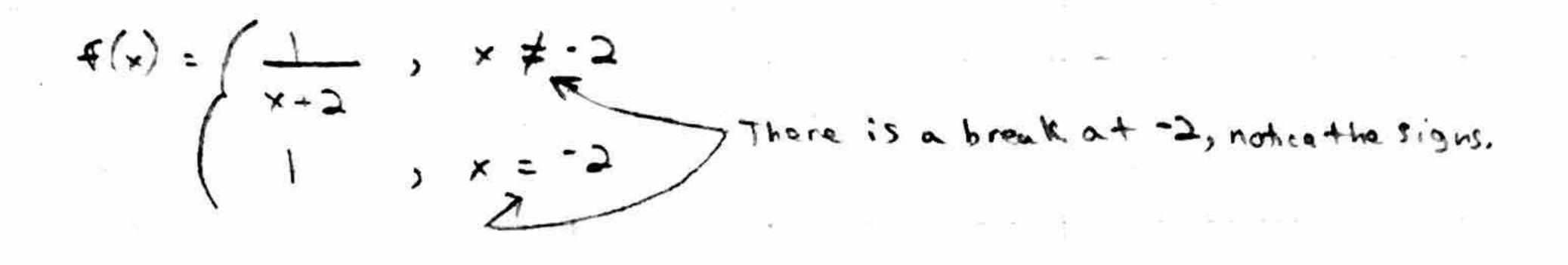
(5 + (a) is is defined at all points except a = -3

O f is discontinuous at -3.

$$g(x) = (x-3), x \le -1$$

$$(x^{2}+1), -1 \le x \le 2$$

$$(x^{2$$



Limit do not exist

limx + lim2

This tells me that this is an infinite discontinuity since the limit is under

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There is a break  $x^{2} = 2$ 

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