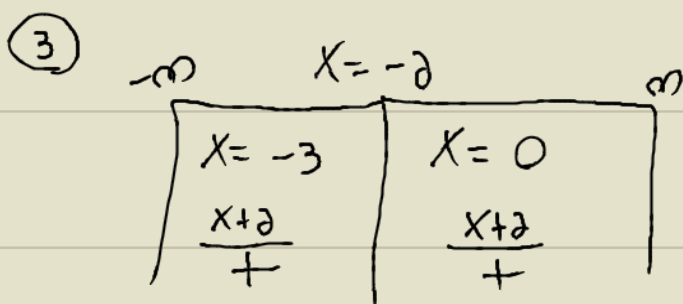


9. $f(x) = |x+2| - 3$

$$\frac{d}{dx}(|u|) = \frac{u}{|u|} \cdot u'$$

① $f'(x) = \frac{x+2}{|x+2|} \cdot \frac{d}{dx}(x+2)$
 $= \frac{x+2}{|x+2|}$

② $x+2=0 \quad |x+2|=0$
 $x = -2$



REL
MIN

DEC $(-\infty, -2)$
INC $(-2, \infty)$

④ REL
MIN : $x = -2$
 $y = |x+2| - 3$
 $y = |-2+2| - 3$
 $y = -3$

REL
MIN $(-2, -3)$