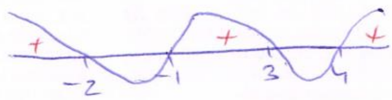
1.105
3

(ה)

$$\frac{x^2-|x|-6}{x^2-3x-4} \geq 0$$

בתחום
$x > 0$

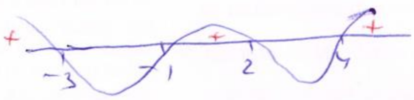
$$0 \leq \frac{x^2-x-6}{x^2-3x-4} = \frac{(x-3)(x+2)}{(x-4)(x+1)}$$



$0 < x \leq 3 \quad , x > 4$

בתחום
$x \leq 0$

$$0 \leq \frac{x^2+x-6}{x^2-3x-4} = \frac{(x+3)(x-2)}{(x-4)(x+1)}$$



$x \leq -3 \quad -1 < x \leq 0$

איחוד התוצאות נותן!

$x \leq -3 \ , \ -1 < x \leq 3 \ , \ x > 4$