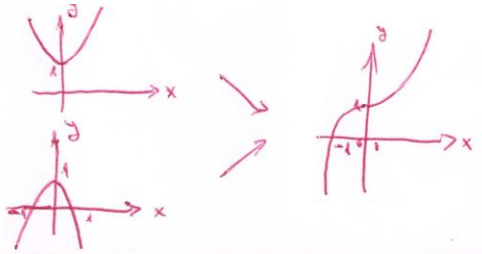
1.76
ב.1

$y_1 = x|x|+1$ $\xrightarrow{x\geq 0}$ $y = x^2+1$ $\xrightarrow{x<0}$ $y = -x^2+1$



$y_2 = x^2 - 2|x-1| - 1$

$x \geq 1$ $\qquad$ $x < 1$

$y_2 = x^2 - 2x + 2 - 1$

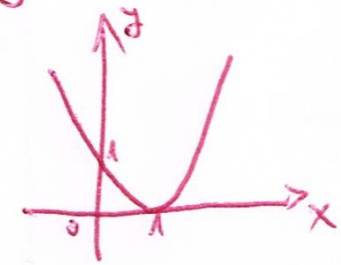
$y_2 = x^2 - 2x + 1$

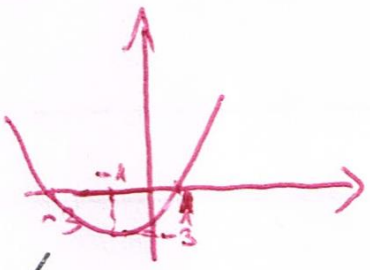
$y_2 = (x-1)^2$

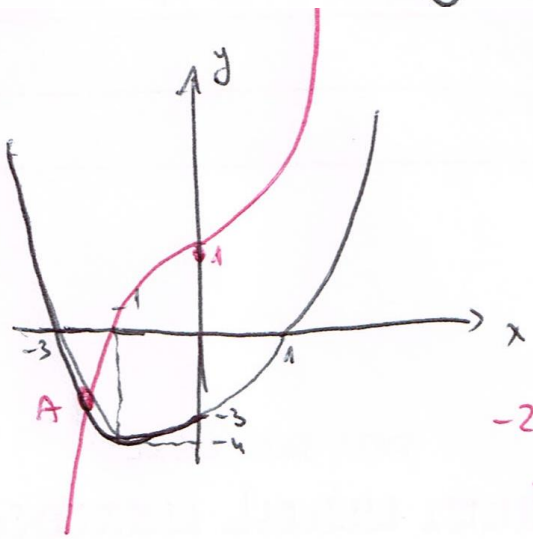
$y_2 = x^2 + 2x - 2 - 1$

$y_2 = x^2 + 2x - 3$

$y_2 = (x+3)(x-1)$







A היא נקודת החיתוך (שלישית)

$x^2 + 2x - 3 = -x^2 + 1$

$2x^2 + 2x - 4 = 0$

$x^2 + x - 2 = 0$

$x = -2$

$x = 1$

לפי הגרף נקודת $A_x = -2$

לכן עבור $x < -2$