1.95
1

א) $x^2+2(k+1)x+2k^2+k-1=0$

נדרוש $\Delta=0$

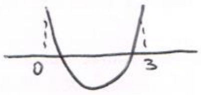
$0=4(k+1)^2-4(2k^2+k-1)$

$0=-4k^2+4k+8 \quad /:(-4)$

$0=k^2-k-2$

$k=2,\ k=-1$

ב)



נדרוש

$0<f(3)$

$0<f(0)$

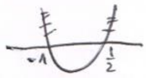
$0<\frac{-b}{2a}<3$

$\Delta>0$

$0<f(3)=9+6(k+1)+2k^2+k-1$

$0<2k^2+7k+14 \rightarrow \boxed{k\in\mathbb{R}}$

$0<f(0)=2k^2+k-1$

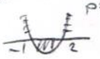


$\boxed{k>\frac{1}{2},\ k<-1}$

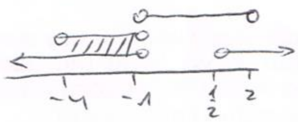
$0<\frac{-2(k+1)}{2}<3$

$0<-k-1<3 \rightarrow \boxed{-4<k<-1}$

$0<\Delta=$ מסעיף הקודם



$-1<k<2$



חיתוך הדרישות
אין k מתאים
לדרישות.