

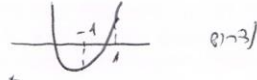
1.72
ע 4

$$(m+1)x^2 + (m+2)x + m - 2 = 0$$

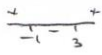
$$x^2 + \frac{m+2}{m+1}x + \frac{m-2}{m+1} = 0$$

$m+1$ שורש של $(m+1)$ ושל $(m-2)$ $m \neq -1$

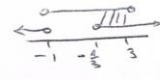
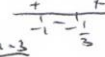
$$0 < f(1) = 1 + \frac{m+2}{m+1} + \frac{m-2}{m+1} = \frac{m+1+m+2+m-2}{m+1} = \frac{3m+1}{m+1}$$



$$0 > f(-1) = 1 - \frac{m+2}{m+1} + \frac{m-2}{m+1} = \frac{m+1-m-2+m-2}{m+1} = \frac{m-3}{m+1}$$



$$|m < -1 \text{ or } m > \frac{1}{3}|$$



$$|-\frac{1}{3} < m < 3|$$