

0.7
3

$$\begin{cases} (m+1)x + 2y = 2 \\ x + my = -1 \end{cases}$$

$$\frac{m+1}{1} \neq \frac{2}{m} \quad \text{אם } m \neq 2 \text{ אז } \frac{m+1}{1} \neq \frac{2}{m}$$

$$m^2 + m - 2 \neq 0 \\ m \neq -2, 1$$

$y = -1 - mx$ (נסו לראות)

$$x = -1 - my$$

$$(m+1)(-1-my) + 2y = 2$$

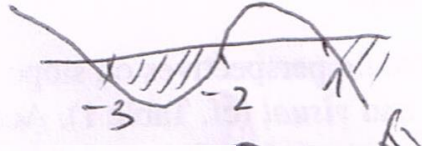
$$-m-1-m^2y-my+2y=2$$

$$y = \frac{3+m}{-m^2-m+2}$$

$$x = -1 - my = -1 - \frac{3m+m^2}{-m^2-m+2} = \frac{m^2+m-2-3m-m^2}{-m^2-m+2} = \frac{-2m-2}{-m^2-m+2}$$

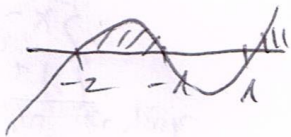
$x > 0 \rightarrow y < 0$ (אם $x > 0$ אז $y < 0$)

$$0 > y = \frac{3+m}{-m^2-m+2}$$

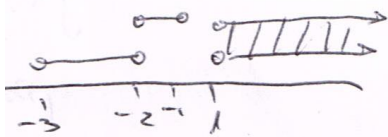


$$\boxed{\begin{matrix} \text{אם } m > 1 \\ -3 < m < -2 \end{matrix}}$$

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



$$\boxed{\begin{matrix} \text{אם } m > 1 \\ -2 < m < -1 \end{matrix}}$$



אם $m > 1$ אז $x > 0$ ו- $y < 0$

$$\boxed{m > 1}$$