

0.47  
72

$$\frac{x^2 - |x|}{x^2 - 1} = m; \quad x \neq \pm 1$$

$$x^2 - |x| = x^2 m - m$$

$$x^2(1-m) - |x| + m = 0 \rightarrow t^2(1-m) - t + m = 0$$

ישו משוואה ריבועית עם 2 פתרונות  
 $\frac{c}{a} > 0, \quad -\frac{b}{a} > 0, \quad \Delta > 0$

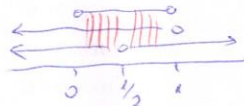
$$0 < 1 - 4m(1-m) = 4m^2 - 4m + 1 = (2m-1)^2 \rightarrow m \neq \frac{1}{2}$$

$$0 < -\frac{b}{a} = \frac{1}{1-m} \rightarrow m < 1$$

$$0 < \frac{c}{a} = \frac{m}{1-m}$$



$0 < m < 1$



הפתרון

$$0 < m < \frac{1}{2}, \quad \frac{1}{2} < m < 1$$