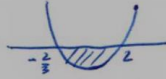


1.113
חל

$$x^2 + (3m-4)|x| + 7-3m = 0 \quad |x|=t \quad (t \geq 0)$$

$$t^2 + t(3m-4) + 7-3m = 0$$

$$-\frac{2}{3} < m < 2$$



$$\begin{aligned} \Delta > 0 & \Rightarrow 9m^2 - 24m + 16 - 4(7-3m) < 0 \\ \Delta > 0 & \Rightarrow 9m^2 - 12m - 12 \\ \Delta > 0 & \Rightarrow 3m^2 - 4m - 4 \end{aligned}$$

הפרט / חל

$$\frac{4}{3} < m < \frac{7}{3}$$

$$\begin{cases} \frac{7}{3} > m \\ \frac{4}{3} < m \end{cases}$$

$$\begin{aligned} 7-3m > 0 & \Rightarrow \frac{c}{a} > 0 \\ -3m+4 < 0 & \Rightarrow \frac{b}{a} < 0 \end{aligned}$$

הפרט / חל

$$\boxed{-\frac{2}{3} < m < \frac{7}{3}}$$

חל - הפרט / חל