

1.98  

$$(3m-2)x^2 + 2mx + m-1 = 0$$

$$x^2 = t$$

$$(3m-2)t^2 + 2mt + m-1 = 0$$

①  $0 > \frac{c}{a} = \frac{m-1}{3m-2}$       $\frac{+}{-} \frac{-}{+}$       $\frac{2}{3} < m < 1$

$3m-2=0 \rightarrow m = \frac{2}{3}$       $\frac{4t}{3} - \frac{1}{3} = 0$       $\boxed{t = 1/4}$

אנחנו מחפשים  $m=1$       $0 < \Delta \rightarrow \frac{1}{2} < m < 2$   
 $0 = \frac{c}{a} = \frac{m-1}{3m-2} \rightarrow m=1$   
 $0 > \frac{b}{a} \rightarrow \frac{2m}{2-3m} < 0 \rightarrow -\frac{1}{0} > \frac{1}{-}$       $\boxed{m > \frac{2}{3}}$   
 $\boxed{m < 0}$

$\boxed{\frac{2}{3} \leq m \leq 1}$      א"כ"ו

$\boxed{\frac{1}{2} \leq m < \frac{2}{3}}$

היגור המשותף

②  $\Delta \geq 0$       $\frac{c}{a} \geq 0$       $\frac{b}{a} \geq 0$   
 $\downarrow$       $\downarrow$       $\downarrow$   
 $\frac{1}{2} \leq m \leq 2$       $m \geq 1$       $0 < m < \frac{2}{3}$   
 $m \leq \frac{2}{3}$