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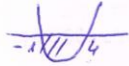
① $x^2 - (2m-1)x + m^2 - m - 6 = 0$

$f(1) < 0$ 213)



$0 > 1 - 2m + 1 + m^2 - m - 6$

$0 > m^2 - 3m - 4$



$-1 < m < 4$

②

$$\begin{cases} x_1 + x_2 = 2m - 1 \\ x_1 \cdot x_2 = m^2 - m - 6 \\ x_1 = 2x_2 \end{cases}$$

$$\begin{cases} 3x_2 = 2m - 1 \rightarrow x_2 = \frac{2m-1}{3} \\ 2x_2^2 = m^2 - m - 6 \end{cases} \rightarrow 2\left(\frac{2m-1}{3}\right)^2 = m^2 - m - 6 \quad | \cdot 9$$

$$2(4m^2 - 4m + 1) = 9m^2 - 9m - 54$$

$$m^2 - m - 56 = 0$$

$$m = 8, -7$$



(m=8, -7) (m=8, -7) (m=8, -7) (m=8, -7) (m=8, -7) (m=8, -7) (m=8, -7) (m=8, -7) (m=8, -7) (m=8, -7)