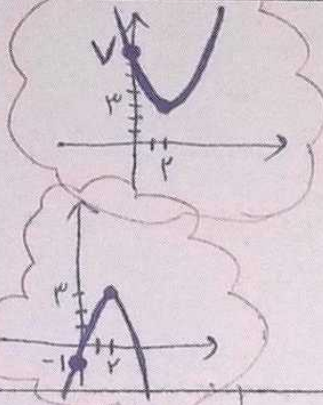


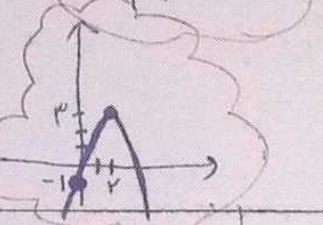
الف) $y = x^2 - 6x + 1$

$a > 0$
 $\frac{-b}{2a} = \frac{6}{2} = 3$
 $\Delta = 36 - 4 = 32 > 0$
 دو ریشه متمم



ب) $y = -x^2 + 6x - 1$

$a < 0$
 $\frac{-b}{2a} = \frac{-6}{-2} = 3$
 $\Delta = 36 - 4 = 32 > 0$
 دو ریشه متمم



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

$\Delta \geq 0 \Rightarrow m^2 + 4m - 1 \geq 0 \Rightarrow m \leq -5 \text{ or } m \geq 1$

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$m^2 + 4m - 1 \geq 0 \Rightarrow m \leq -5 \text{ or } m \geq 1$

الف) $y = (m-2)x^2 - 2(m+1)x + 6$

$\Delta \geq 0 \Rightarrow m^2 - 4m + 4 \geq 0 \Rightarrow (m-2)^2 \geq 0$
 $m \geq 2$

ب) $y = (m-2)x^2 - 2(m+1)x + 6$

$m \geq 2$

الف) $y = (m-2)x^2 - 2(m+1)x + 6$

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ب) $y = (m-2)x^2 - 2(m+1)x + 6$

$m \geq 2$

$\frac{r \sin \alpha}{r} - (r \sin \alpha) \geq \frac{r}{r}$

$\Delta \geq 0 \Rightarrow \frac{r \sin \alpha}{r} \geq 1 \Rightarrow \sin \alpha \geq 1$

$\cos \alpha \geq 0 \Rightarrow \alpha \in [0, \frac{\pi}{2}]$

$$y = \frac{(x+1)(x-1)(x-2)(x+1)}{(x^2-1)(x^2-2x)} = \frac{(x+1)(x-1)(x-2)}{(1-x^2)(x^2-2x)}$$

$\frac{149}{15}$
 $\delta + \frac{149}{15}$
 $\max \rightarrow C - b^2$
 $\delta - \frac{149}{15}$
 $\delta + 149 \delta^2$
 $\{ (1-x)(x+1) \}$

$m x^2 - (m b^2) x - 2 = 0$
 $\mu_s = \delta p + v$
 $\frac{\mu(m b^2)}{m} = \frac{-10}{m} + v$
 $\frac{\mu m b^4}{m} = \frac{-10 + v m}{m}$
 $\mu m b^4 m = -10 m + v m^2$

$w = \delta x + 2 = 0$
 $\frac{\epsilon a + \beta \delta}{\delta \beta^2} \rightarrow \frac{\epsilon a}{\delta \beta^2} + \frac{\beta^2}{\delta} \rightarrow \frac{1}{\delta} \beta^2 \rightarrow \beta^2$
 $\frac{1}{\delta} \beta^2 \rightarrow \beta^2$
 $\frac{1}{\delta} \beta^2 \rightarrow \beta^2$

$y_1 = a x^2 + b x + c$
 $y_2 = x^2 + 2x + 1$
 $c' = c$
 $\frac{1}{\delta} \beta^2 \rightarrow \beta^2$
 $\frac{1}{\delta} \beta^2 \rightarrow \beta^2$
 $\frac{1}{\delta} \beta^2 \rightarrow \beta^2$

$y_2 = x^2 + (m b^2) x + m b^4$
 $y_1 = x$
 $m = \epsilon$
 $\frac{1}{\delta} \beta^2 \rightarrow \beta^2$
 $\frac{1}{\delta} \beta^2 \rightarrow \beta^2$
 $\frac{1}{\delta} \beta^2 \rightarrow \beta^2$

...
 ...
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