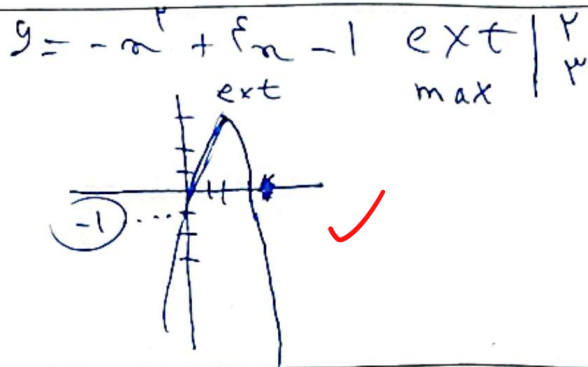
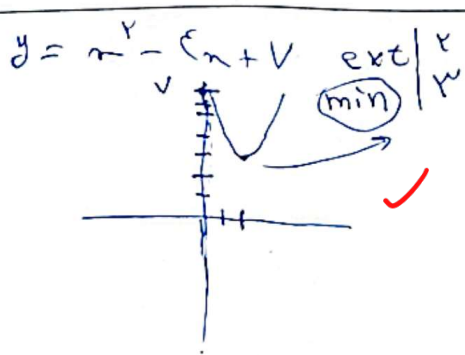


B. 11

نام و نام خانوادگی پاسخنامه تشریحی تکلیف شماره (2) کلاس ریاضی



(2)

$\Rightarrow (m+1)^2 - 2(m-1) > 0$
 $m^2 + 2m + 1 - 2m + 2 > 0 \Rightarrow m^2 + 3 > 0$
 $\Delta < 0$
 $m \in \mathbb{R} - (-\infty, \infty)$
 $m \in (-\infty, \infty)$
 $m \in \mathbb{R} - (-\infty, \infty)$

(2)

$\Delta < 0$ $P > 0$ $\Delta > 0$
 $\Delta > 0 \Rightarrow (m+1)^2 - 2(m-1) > 0 \Rightarrow m^2 + 2m + 1 - 2m + 2 > 0$
 $\Rightarrow m^2 + 3 > 0$
 $\Delta < 0$
 $m \in \mathbb{R} - (-\infty, \infty)$
 $m \in (-\infty, \infty)$
 $m \in \mathbb{R} - (-\infty, \infty)$

(1, 2)

$\Delta > 0$
 $m^2 - 2m + 1 > 0$
 $\Delta > 0$
 $m < 1$

(1, 2)

$\frac{-b}{2a} = -1 \Rightarrow \frac{2(m+1)}{2m-2} = -1 \Rightarrow \frac{m+1}{m-2} = -1 \Rightarrow m+1 = -m+2 \Rightarrow m = \frac{1}{2}$

$\Delta > 0 \Rightarrow \epsilon \sin^2 \alpha - 1 > 0 \Rightarrow \sin^2 \alpha = 1 \Rightarrow \sin \alpha = \pm 1$
 $P > 0 \vee \Delta > 0 \Rightarrow \frac{2 \sin \alpha}{2} = \frac{2 \sin \alpha}{2} \Rightarrow \sin \alpha = 1$
 $\sin \alpha = 1$
 $\frac{2}{2} \alpha^2 - 2\alpha + \frac{2}{2} = 0 \Rightarrow \alpha = \frac{2 \pm 0}{2} = 1$

(2)

$$= \frac{r(r-1)(n+\frac{1}{r}) \times r(r+1)(n-\frac{1}{r})}{-(n+1)(n+1)} = -4(n+\frac{1}{r})(n+\frac{1}{r})$$

$$= -\{4r^2 + 12m + d\} \Rightarrow m \text{ و } y = \frac{-\Delta}{\epsilon_a} = \frac{-(149 + 120)}{-24} = \frac{289}{24}$$

$\left(\frac{12r}{24}\right)$ (2)

$$r\delta = \Delta P + V \Rightarrow \frac{r}{m} \frac{m+V}{m} = \frac{-10}{m} + V \Rightarrow \frac{Vm-10}{m} = \frac{r}{m} \frac{m+V}{m}$$

$$\Rightarrow Vm-10 = r \Rightarrow r = 14 \Rightarrow m = \frac{r}{V} = \frac{14}{2} = 7$$

$$\Rightarrow \delta = \frac{r}{r} = 1, P = \frac{-1}{r} \Rightarrow \delta^2 - 2P = \frac{1}{r} + 1 = \frac{14}{14} = 1 = \alpha^2 + \beta^2$$

$\alpha^2 + \beta^2 = 1 \Rightarrow -2\alpha\beta$

! ← در این حالت $n=0$ و n در این حالت $n=0$ و n در این حالت $n=0$

$$n=2 \Rightarrow y=1, n=-3 \Rightarrow y=1$$

$$C=F \Rightarrow a^2 + b^2 + c^2 = y, \rightarrow a^2 + b^2 + c^2 = 0$$

$$\Rightarrow 9a^2 - 3b^2 = 0 \Rightarrow 11a - 4b = 0 \Rightarrow 10a = 4b$$

$$7a + 2b = 10 \Rightarrow 12a + 4b = 20 \Rightarrow 10a = 4b$$

$$\Rightarrow a = \frac{1}{2}, b = 1, c = \frac{1}{2} \Rightarrow \frac{b}{a} = \frac{2}{1} = 2$$

$$\frac{r\alpha + \beta^2 + \alpha^2}{\delta\beta^2} = \frac{r\alpha^2 + \alpha^2\beta^2 + \beta^2}{\delta\alpha^2\beta^2} = \frac{r\alpha^2 + r\beta^2}{r}$$

$$= \frac{\alpha^2 + \beta^2}{\delta} = \frac{\delta^2 - 2P\delta}{\delta} = -19$$

$$r\alpha^2 + (m+1)m + m + 1 = n \Rightarrow r\alpha^2 + m\alpha + m + 1 = 0$$

$$\Delta = 0 \Rightarrow m^2 - 12m - 11 = 0 \Rightarrow m = \frac{12 \pm 13}{2} = 12.5$$

$m = 12, -1$