

-A- نه

بیشترین است به خط مستقیم

19/25

مکعبه زینتی  
کلیف تا

$$f(x) = 1 - \frac{a}{x} \quad [1, 3]$$

(1) 1, \sqrt{a}

$$1 \rightarrow 1 - a \quad \frac{x - \frac{a}{x} - x + a}{x} = \frac{2a}{x^2} \rightarrow \frac{a}{x}$$

$$f'(x) = \frac{a}{x^2} \rightarrow \frac{a}{x^2} = \frac{a}{x} \rightarrow x^2 = x \rightarrow x = \pm \sqrt{x} \rightarrow \begin{cases} x = -\sqrt{x} \\ x = \sqrt{x} \end{cases}$$

$$y = 2am^2 - am + 19 \rightarrow x = y$$

$$y' = 4am - a$$

$$2am^2 - am + 19 = a$$

$$2am^2 - 4m + 18 = 0$$

$$\begin{aligned} 2am - a &= 1 \\ \Sigma am &= 9 \\ am &= \frac{9}{2} \end{aligned}$$

$$\Delta = \dots \rightarrow 34 - 2(18)(2a) = 0$$

$$34 = 72a \rightarrow a = \frac{1}{2} \rightarrow a = \pm \frac{1}{2}$$

$$a = -\frac{1}{2}$$

$$y = x^2 - 12x + 2$$

$$y' = 2x - 12 = 0 \rightarrow x = 6 \rightarrow x = \pm 6$$

$$\begin{array}{c} -12 \quad +12 \\ + \quad | \quad - \quad | \quad + \\ \hline \end{array}$$

$$x = \pm 6 \rightarrow (1) - 12(6) + 2 = 10 - 72 = -62$$

$$y = x^2 + am^2 - bm - \epsilon \quad \dots \rightarrow y = x^2 + 4m^2 - \epsilon$$

$$y' = 2x + 8m - b$$

$$(-2, 0) \text{ و } (6, -\epsilon)$$

$$\sqrt{\epsilon + 14} = \sqrt{10} = \sqrt{2} \sqrt{5}$$

$$\rightarrow -2b = 0 \rightarrow b = 0$$

$$-2 \rightarrow 2(\epsilon) - \epsilon a + 0 = 0 \rightarrow \epsilon a = 2(\epsilon) \rightarrow a = 2$$

$$f(x) = x^2 - a|x|$$

$$|f(x)| \rightarrow \max$$

$$p \rightarrow m$$

min

$$h \rightarrow p$$

$$f(x) \begin{cases} x^2 - am \quad x > 0 \\ x^2 + ax \quad x < 0 \end{cases}$$

$$\frac{h}{m} = \frac{p}{p} = 1/\delta$$



