

آیة ربیعی - شب ۲۰/۱/۲۰۲۰

$$\sin \frac{\pi}{4} + c \cdot \sin \frac{\pi}{4} + r \tan \frac{\pi}{4} = \frac{1}{r} + (-1) + (-r) = \frac{-9+1}{r} = \frac{-8}{r}$$

$$-c \cdot \sin \frac{\pi}{4} + \sin \frac{\pi}{4} - r \sin \frac{\pi}{4} = \frac{1}{r} - \frac{1}{r} - r \cdot \frac{1}{r} = \frac{+1-r}{r}$$

$$\cot \frac{\pi}{4} + r \cot \frac{\pi}{4} - r \tan \frac{\pi}{4} = \frac{1}{r} + \frac{1}{r} - r \cdot \frac{1}{r} = \frac{+1}{r}$$

$$\cos(\sin \frac{\pi}{4}) + \sin(\cos \frac{\pi}{4}) = 1 + \sin(\frac{1}{r}) = 90^\circ = (r)$$

$$f(x) = rx + a + r \quad x \geq a \rightarrow a^r + fa = ra + a + r$$

$$f(1) = 2 \quad 1 + f = 2 \quad a^r + a - r = 0 \rightarrow (a+r)(a-1) = 0$$

$$a^r + a - r = 0 \rightarrow a = 1 \quad a = 1$$

$$g(x) = \begin{cases} rx^r - b \\ a + rx \end{cases} \quad |x+1| \geq r$$

$$x+1 \geq r \rightarrow x \geq r-1$$

$$x+1 \leq -r \rightarrow x \leq -r-1$$

$$a+b = r \cdot r$$

$$r(-r)^r - b = a + r \cdot (-r)$$

$$11-b = a-9$$

$$11+9 = a+b$$

$$rf = a+b$$

$$y = \frac{1}{x^r - rx^r}$$

$$x^r - rx^r = 0$$

$$x(x-r) = 0$$

$$x = 0$$

$$x-r = 0 \quad x = \{0, r\}$$

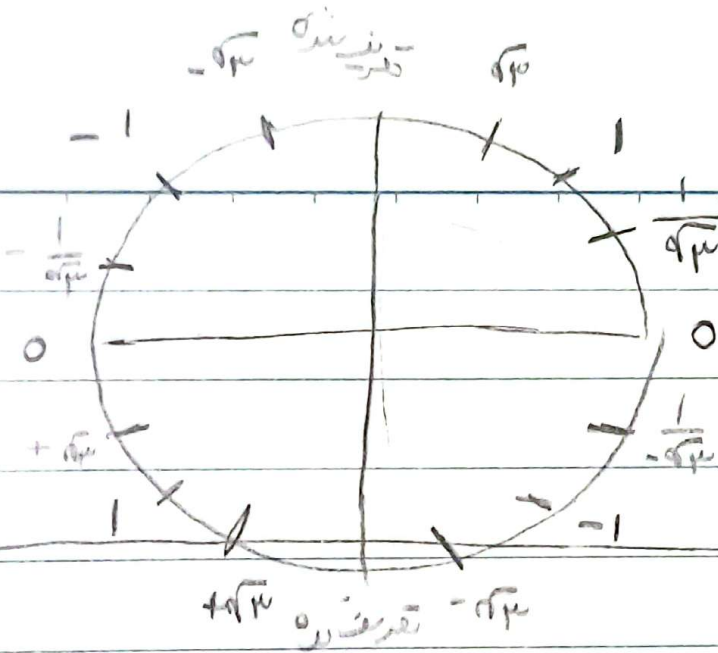
$$x = r$$

$$rx^r + (rx^r) + (rx^r + r^r) = \dots$$

آب رسی



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$\tan^{-1} 2$

$$\frac{1}{2} \times \frac{2}{1} = \frac{2}{2} = 1$$

آینا رسی

Subject

Year

Month

Date

$x \geq 0$

-1 +1

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$$y = \sqrt{x^2 - 1} + \sqrt{x - 2} \quad (-\infty, -1] \cup [1, +\infty) \quad -4$$

$x = 1 \Rightarrow x = \pm 1$

$x \geq 2$ (سواء) $\rightarrow (2, +\infty)$

$$y = \frac{\sqrt{4 - 3x}}{\sqrt{4x - 2}}$$

$4 - 3x \geq 0 \Rightarrow x \leq \frac{4}{3}$

$4x - 2 \geq 0 \Rightarrow x \geq \frac{1}{2}$

$\frac{1}{2} \leq x \leq \frac{4}{3}$

$$y = \sqrt{4x - a} + \sqrt{b - 3x} \quad \{2\} = \text{is} \quad \checkmark$$

$$\sqrt{4x - a} + \sqrt{b - 3x} \quad b - 4 \geq 0 \Rightarrow b \geq 4 \quad \frac{b}{a} \quad \text{حل}$$

$$\sqrt{4x - a} \geq 0 \Rightarrow 4x \geq a \Rightarrow \frac{4}{1} \leq \frac{1}{1} \quad b \geq 4$$

$$\sqrt{x^2 - x - 4}$$

$$x^2 - x - 4 = 0$$

$$x^2 - 13x^2 + 34 = 0$$

$$(-2) - 13 + 34 = 20$$

$$x^2 - x - 4 = (x - 3)(x + 4) = x = -2 \quad -1$$

$$x^2 - 13x^2 + 34 = 0 \quad x^2 = 9 \Rightarrow x = \pm 3$$

$$(x^2 - 4)(x^2 - 9) = 0 \quad x^2 = 9 \Rightarrow x = \pm 3$$

$$(-2, -3) \cup (2, +\infty) = \{-2, +3\}$$

$$+ \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} +$$

$$y = \sqrt{2[x] - 1}$$

$$2[x] - 1 \geq 0 \quad [x] \geq \frac{1}{2}$$

$$[x] \geq 1 \rightarrow [1, +\infty)$$

$$y = \sqrt{2[x] - \omega}$$

$$2[x] - \omega \geq 0 \rightarrow 2[x] \geq \omega$$

$$[x] \geq \frac{\omega}{2} \quad \frac{\omega}{2} \leq \frac{\omega}{1}$$

$$[1, +\infty)$$

$$y = \sqrt{[x] - 1} + \sqrt{2 - [x]}$$

$$[x] \geq 1 \quad \begin{cases} 2 - [x] \geq 0 \\ [x] \leq 2 \end{cases}$$

$$[x] \geq 1 \quad [1, 2]$$

$$[1, +\infty) \cap (-\infty, 2)$$

$$y = \sqrt{\frac{x+1}{|x-1|}} + \sqrt{\frac{4-x}{x^2+2x+1}}$$

$$\frac{x+1}{|x-1|} \geq 0 \quad \frac{4-x}{x^2+2x+1} \geq 0$$

$$\frac{x+1}{x-1} \geq 0 \quad \frac{4-x}{(x+1)^2} \geq 0$$

$$x \geq 1 \quad x \leq 4$$

$$[1, 4]$$