

$$ra^2 - \omega r + 11a = 20 \quad ra^2 - 4r + 11a$$

$$f(r) = 1 \quad ra^2 - \omega = 1 \quad r = \frac{3}{ra}$$

$$ra \left(\frac{3}{ra}\right)^2 - 4 \left(\frac{3}{ra}\right) + 11a = 0 \quad \frac{9}{ra} - \frac{4}{a} + 11a = 0$$

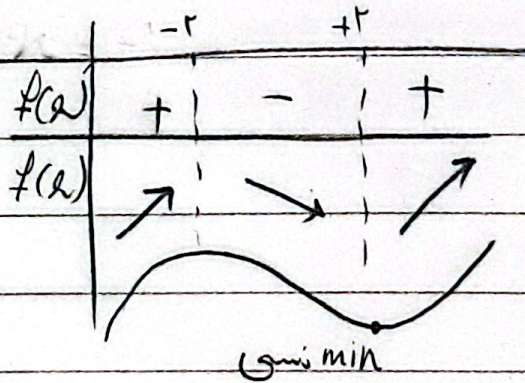
$$\frac{-9}{ra} + 11a \quad \frac{9}{ra} = \frac{4}{a} \quad ra^2 = 1 \quad a = \pm \frac{1}{r}$$

ans $\rightarrow +\frac{1}{r}$ $r^2 - \omega r + 9 \rightarrow$ قابل قبول

ans $\rightarrow -\frac{1}{r}$ $-r^2 - \omega r - 9$ قابل قبول

$$r^2 - 12 = 0 \quad r = \pm 2$$

$$r = +2 \quad y = -12$$



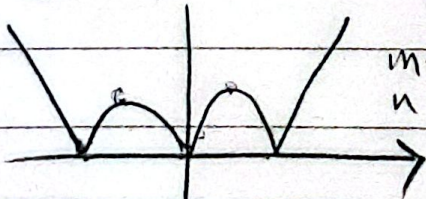
$$f(x) = 3x^2 + 2ax - 12b \quad f(0) = -12b = 0 \quad b = 0$$

$$f(-2) = 3(-2)^2 + 2a(-2) - 12(0) = 0 \quad 12 - 4a = 0 \quad a = 3$$

$$y = 3x^2 + 6x - 12 \quad x = 0 \rightarrow y = -12 \quad x = -2 \rightarrow y = 0$$

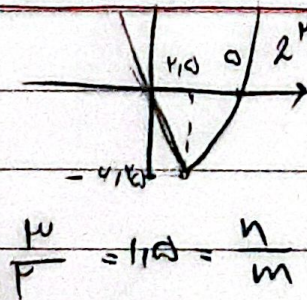
$$cd = \sqrt{(-2-0)^2 + (-12-0)^2} = \sqrt{160} = 4\sqrt{10}$$

$$g(x) = |x|^2 - \omega |x|$$

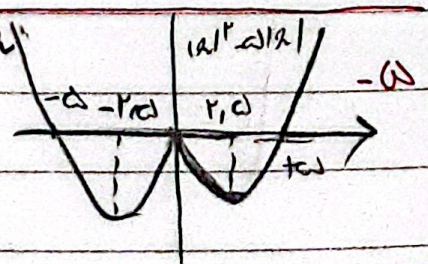


$$m = 2$$

$$n = 12$$



$$\frac{12}{2} = 12 = \frac{12}{m}$$



Year.

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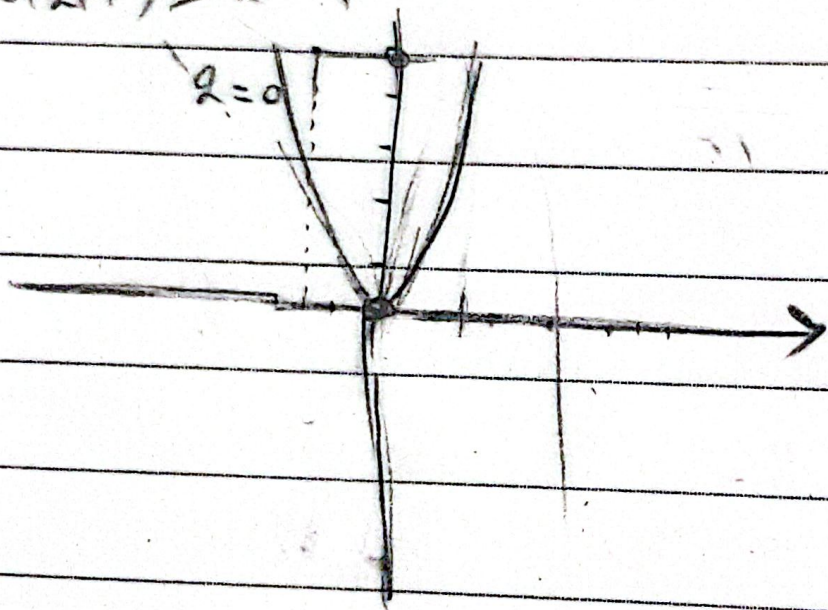
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$$\frac{-b}{2a}$$

Subject:.....

$$x > 0 \rightarrow |x^2 + px| \quad x < 0 \rightarrow |-x^2 + px| \quad -4$$
$$x(x+p) - x = -p$$



Step 1

5.0

$$r = 1 - m \rightarrow \text{په چوکس} \quad | -m | < 1 \quad 0 < m$$

-4

$$(-1+m)(m) - P < 0 \quad m^2 - m - P < 0 \quad m^2 - m - P = 0$$

$$(m - P)(m + 1) = 0 \quad \frac{-1 \pm \sqrt{1 + 4P}}{2} \rightarrow [-1, +P]$$

$$[0, +\infty) \cap [-1, +P] \rightarrow [0, +P]$$

$$r < 0 \quad \frac{r}{1 + 2^r} \quad \frac{1(1 + 2^r) - P r (r)}{(1 + 2^r)^2} = 0 \quad 1 + 2^r - P r^2 = 0 \quad r^2 = \frac{1}{P} \quad r = \pm \frac{1}{\sqrt{P}}$$

عقده ها را بیابید

$$r > 0 \quad \frac{r}{1 - 2^r} \quad \frac{1(1 - 2^r) + P r (r)}{1 - 2^r} = 0 \quad 1 - 2^r + P r^2 = 0 \quad r^2 = -\frac{1}{P}$$

عقده ها بیابید