

14

کدام عبارت از معادله است

الف) 1

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10

$$y = x + |x - c|$$

$$R_f = [r, +\infty)$$

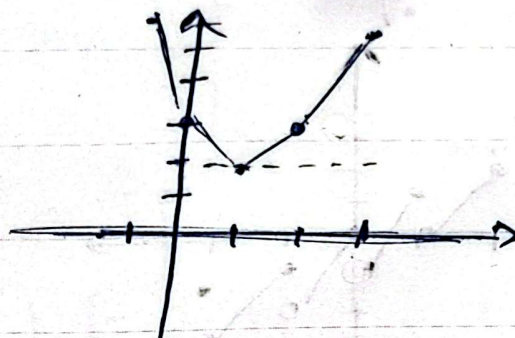
$$|m - r| + |m - 1| = -|m|$$

$$m > r: m - r + m - 1 + m = m - c$$

$$r > m > 1: r - m + m - 1 + m = m + 1$$

$$1 > m > 0: r - m + m + 1 - m \Rightarrow r - m$$

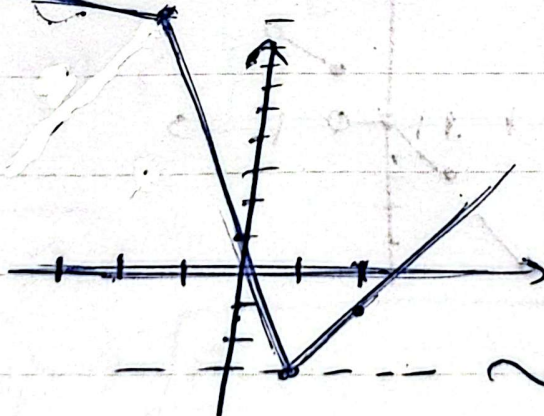
$$m < 0: r - m + 1 - m - m = c - m$$



$$R_f = [r, +\infty)$$

2

$$|x - r| - |x + r| = k \quad k?$$



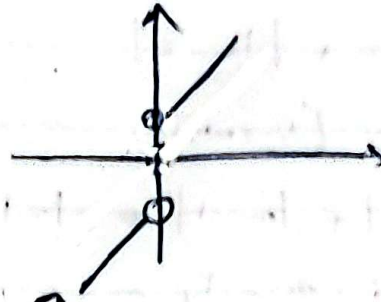
$$k = -r$$

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for $n > 0 = 1$
 for $n < 0 = -1$

$$y = n + \frac{n}{|n|}$$

(2)

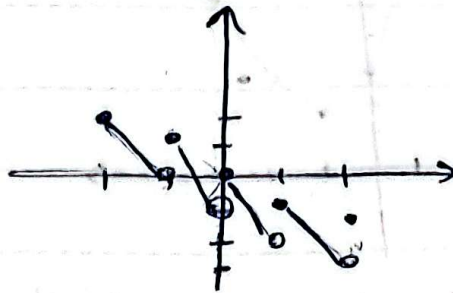


(5)

$$y = n|n| - \frac{n}{|n|}$$



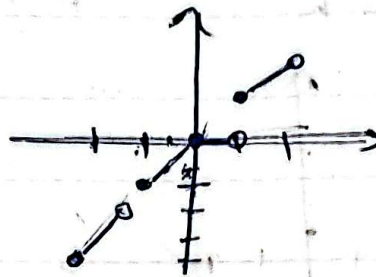
$$y = [n] - n$$



(2)

(5)

$$y = [n]|n|$$



$$y = \{n\} - [n] \quad \{n\} = x - [x] \quad \{x\} \in [0, 1)$$

(2)

(5)

$$\{n\} = x - [x] \quad \{x\} \in [0, 1) = [0, 1)$$

Subject:

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$$y = n - a \left[\frac{n}{a} \right] \leadsto a \frac{n}{a} - a \left[\frac{n}{a} \right] = a \left(\frac{n}{a} - \left[\frac{n}{a} \right] \right)$$

$$\omega \times [0, 1) = [0, \omega)$$

$$y = [r_n] - r_n = (-1, 0]$$

$$y = r \sin \theta + r \cos \theta \quad (a \sin \theta + b \cos \theta \leq \sqrt{a^2 + b^2}) \quad (9)$$

$$\hookrightarrow [-\sqrt{14}, +\sqrt{14}]$$

$$y = r \sin \theta - r \cos \theta \quad \hookrightarrow [-a, +a]$$

$$y = [r \sin \theta + \omega \cos \theta] \quad \hookrightarrow \begin{cases} [-\sqrt{r^2}] = -9 \\ [\sqrt{r^2}] = \omega \end{cases}$$

$$\{k \in \mathbb{Z}, -1 \leq k \leq \omega\}$$

$$y = \sqrt{\cos \theta - r \sin \theta} \quad \hookrightarrow \sqrt{[-\sqrt{a}, \sqrt{a}]} = [0, \sqrt{a}]$$

$$y = \delta \sin t + r \sin t + r \rightarrow 0 \quad [0, 4]$$

$$\delta \sin t = -\frac{c}{r} X$$

⑤

⑤

$$y = r \sin t + r \sin t + r \rightarrow \sin t \text{ ext} = -\frac{r}{\epsilon} \rightarrow$$

$$-1 \left(\begin{array}{c} 1 \\ 1 \end{array} \right) \rightarrow v$$

$$r - c + r = 1 \quad [v, v]$$

$$r \left(\frac{q}{\lambda} \right) - r \left(\frac{c}{\epsilon} \right) + r = \frac{v}{\lambda}$$

$$-\frac{q}{\lambda}$$

$$y = \delta \sin t + \epsilon \cos t = 1 + r \cos t \rightarrow [1, \epsilon]$$

⑤

⑤

$$y = \frac{r \cos t}{1 + \cos t} \rightarrow \frac{r \sin t \cos t}{\sin t} = \sin t \rightarrow [-1, 1]$$

$$y = \sin t + \cos t \rightarrow k = r$$

⑤

$$[r - \frac{1}{\epsilon}, 1]$$

⑤

$$y = [\sin t + \cos t] \Rightarrow \{0, 1\}$$

$$y = \frac{r_1 r + v_m - \epsilon}{n + \epsilon}$$

$$\frac{r_1 r + v_m - \epsilon}{r_1 r + 1} \rightarrow \frac{n + \epsilon}{r_1 - 1}$$

⑤

⑤

$$r_1 - 1$$

$$IR = \{-9\}$$

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$$b) \left(\frac{r}{2}, +\infty \right)$$

