

نقطه فروش

19,75

بازده تقریب

تکلیف 15

الف

$$m = \frac{2+2}{2-5} = -\frac{4}{3}$$

$$y = -\frac{4}{3}x + b$$

$$y = -\frac{4}{3}x + 11$$

①

$$2 = -\frac{4}{3}(2) + b \quad b = 11$$

ب) $m = \frac{-4}{2} = -2$

$$y = -2x + b$$

$$y = -2x + 18$$

②

$$2 = -2(2) + b \quad b = 18$$

ج) $m_{n+cy=1} = -\frac{1}{\frac{1}{2}} = -2$

$$\Rightarrow y = 2x + b$$

$$y = 2x - 10$$

$$2 = 2(2) + b \quad b = -10$$

د) $\tan \frac{\pi}{4} = \sqrt{2}$

$$y = \sqrt{2}x + b$$

$$y = \sqrt{2}x + 2 - 4\sqrt{2}$$

$$2 = \sqrt{2}x + b \quad b = 2 - 4\sqrt{2}$$

۱۳۹۶/۳/۶ . هفته ۱۱ . شنبه

۱۴۳۸/۹/۱ . الاسبوع ۲۷ . السبت

S a t . Week 23 . 2017/5/27 .



خرداد

پنجم

May 28. 2 رمضان الفارسی

الف $AB = \sqrt{\Delta x^2 + \Delta y^2} = \sqrt{3^2 + (-4)^2} = \sqrt{25} = 5$ (1)

ب) $d = \frac{|ax+by+c|}{\sqrt{a^2+b^2}} = \frac{|3(2)+4(-4)-5|}{\sqrt{3^2+4^2}} = \frac{|-5|}{5} = 1$ (2)

الف) $2x+3y=4$ $\times 2$ $4x+6y=8$ $\times 3$ $12x+9y=12$ $\times 1$ $12x+9y+(-12+1)$ (3)
 $12x+9y=12$
 $12x+9y-11=0$

ب) $d = \frac{|C-C'|}{\sqrt{a^2+b^2}} = \frac{|12-11|}{\sqrt{12^2+9^2}} = \frac{1}{3\sqrt{5}} = \frac{1}{\sqrt{45}}$ (4)

$\frac{|2x-3y-1|}{\sqrt{2^2+(-3)^2}} = \frac{|2x+3y-5|}{\sqrt{2^2+3^2}} \Rightarrow |2x-3y-1| = |2x+3y-5|$ (5)

$2x-3y-1 = 2x+3y-5$ $-6y = -4$ $y = \frac{2}{3}$
 $2x-3y-1 = -(2x+3y-5)$ $4x = 8$ $x = 2$

$y+2x=2$ $y-2x=2$ $\tan \alpha = \left| \frac{m-m'}{1+mm'} \right|$ (6)
 $\hookrightarrow m=-2$ $\hookrightarrow m=2$

$\left| \frac{-2-2}{1+(-2)(2)} \right| = 1$ (7)

$\tan \alpha = 1$
 $\alpha = \arctan 1 = \frac{\pi}{4}$

1	2	3	4	5	6
7	8	9	10	11	12
13	14	15	16	17	18
19	20	21	22	23	24
25	26	27	28	29	30

الف) $AB = \sqrt{(3+5)^2 + (-2-4)^2} = \sqrt{64+64} = 10$ ④

ب) $\left(\frac{3-5}{2}, \frac{-2+4}{2}\right) = (-1, 1)$ ⑤

الف) $m = \frac{3-2-10}{3} = -3$ $y = \frac{1+3-13}{3} = -3$ ⑤ ⑦
(-3, -3)

ب) $S = \frac{1}{2} \begin{vmatrix} 3 & 1 & 1 \\ -2 & 3 & 1 \\ -10 & -13 & 1 \end{vmatrix} = \frac{1}{2} \times 96 = 48$ ①

الف) $-y = \frac{2n+1}{4n-2} \Rightarrow y = \frac{2n+1}{2-4n}$ ① 1,75

ب) $y = \frac{2n+1}{-4n-2}$ ج) $n = \frac{2y+1}{4y-2} \Rightarrow y = \frac{2n+1}{4n-2}$

د) $-n = \frac{-2y+1}{-4y-2} \Rightarrow y = \frac{2n-1}{-4n-2}$

الف) $y' - 2 = \frac{2n' + 5}{n' - 1} \rightarrow y' = \frac{2n' + 5}{n' - 1} + 2$ ①

$y' = \frac{2n' + 5 + 2n' - 2}{n' - 1} = \frac{4n' + 3}{n' - 1} = y'$ ②

ب) $y + 2 = \frac{2n' + 5}{n'}$ $y' = \frac{2n' + 5 - 2n'}{n'}$

$y = \frac{5}{n'}$

الف

$$\begin{cases} 12x + 5y = 1 \\ 12x - 5y = 1 \end{cases}$$

$$12x - 5y = 1$$

$$\begin{cases} 12x + 5y = 1 \\ -12x + 15y = -1 \end{cases}$$

$$-12x + 15y = -1$$

$$19y = -1$$

$$b) \quad x = -\frac{5x + 1 - 12x - 5}{12x - 5 - 5x + 1} = \frac{14}{19}$$

$$y = -\frac{1}{19}, \quad x = \frac{14}{19}$$

$$y = \frac{12x + 1 - 12x - 5}{12x - 5 - 5x + 1} = -\frac{1}{19}$$