

$$\begin{array}{r} \cdot (\quad) \quad \text{---} \\ \cdot (\quad) \quad \text{---} \\ \hline \end{array} \begin{array}{l} - x \\ - y \end{array}$$

$$\cdot \quad 9,300$$

$$x + y = 9300 \quad :$$

,

$$20\% -$$

$$\cdot \quad 11,100 \quad "$$

$$P - \quad x$$

$$\frac{100+P}{100} \cdot x$$

$$\frac{100+20}{100} \cdot x = 1.2x$$

$$P = 20 \quad ,$$

$$1.2x + y = 11100 \quad :$$

:

$$\begin{cases} x + y = 9300 \\ 1.2x + y = 11100 \quad / \cdot (-1) \end{cases}$$

$$+ \begin{cases} x + y = 9300 \\ -1.2x - y = -11100 \end{cases}$$

$$-0.2x = -1800 \quad / : (-0.2)$$

$$\boxed{x = 9000}$$

$$9000 + y = 9300$$

$$\boxed{y = 300}$$

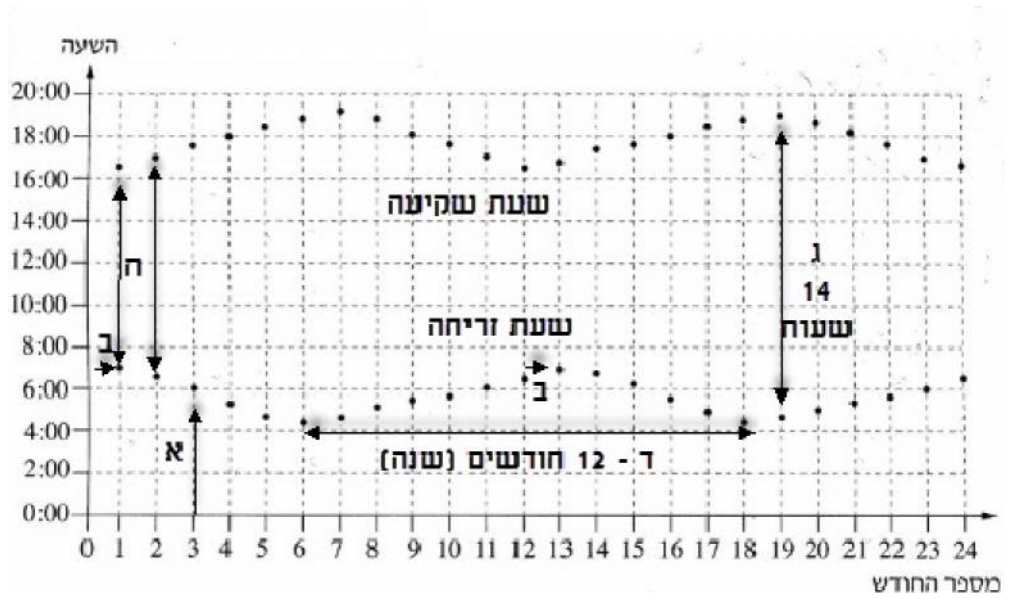
$$\cdot \quad 9,000 \quad :$$

$$\cdot \quad 300 \quad : \quad \cdot$$

- 3 - . () 6.00 .
- 1 - 13 .
- 19 - (14 -) .
- 6 - 18 - 12 () .
- 1 - 2 - 1 - , .

.(4.15)

.()



$$d = -1.5$$

$$a_{15} = 59$$

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$$a_n = a_1 + (n-1)d$$

$$a_{15} = 59$$

$$59 = a_1 + (15-1) \cdot (-1.5)$$

$$59 = a_1 + 14 \cdot (-1.5)$$

$$59 = a_1 - 21$$

$$a_1 = 80$$

$$a_1 = 80$$

$$S_n = \frac{n[2a_1 + d \cdot (n-1)]}{2}$$

$$S_{15} = \frac{15[2 \cdot 80 - 1.5 \cdot (15-1)]}{2}$$

$$S_{15} = \frac{15(160 - 1.5 \cdot 14)}{2}$$

$$S_{15} = \frac{15 \cdot 139}{2}$$

$$S_{15} = 1042.5$$

$$S_{15} = 1042.5$$

M

$$x_M = \frac{x_B + x_D}{2} = \frac{8+0}{2} = \frac{8}{2} = 4$$

$$y_M = \frac{y_B + y_D}{2} = \frac{2+3}{2} = \frac{5}{2} = 2.5$$

(4, 2.5)

AC

M

$$x_M = \frac{x_A + x_C}{2}$$

$$4 = \frac{3 + x_C}{2}$$

$$8 = 3 + x_C$$

$$x_C = 5$$

$$y_M = \frac{y_A + y_C}{2}$$

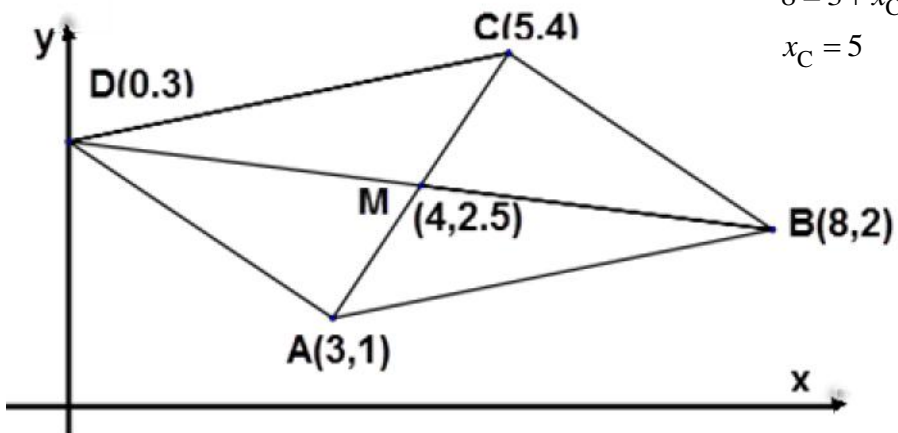
$$2.5 = \frac{1 + y_C}{2}$$

$$5 = 1 + y_C$$

$$y_C = 4$$

(5, 4)

C



AD

(1)

$$d = \sqrt{(x_2 - x_1)^2 + (y_2 - y_1)^2}$$

$$d_{AD} = \sqrt{(3-0)^2 + (1-3)^2}$$

$$d_{AD} = \sqrt{13}$$

√13

AD

AB

(2)

$$d_{AB} = \sqrt{(3-8)^2 + (1-2)^2}$$

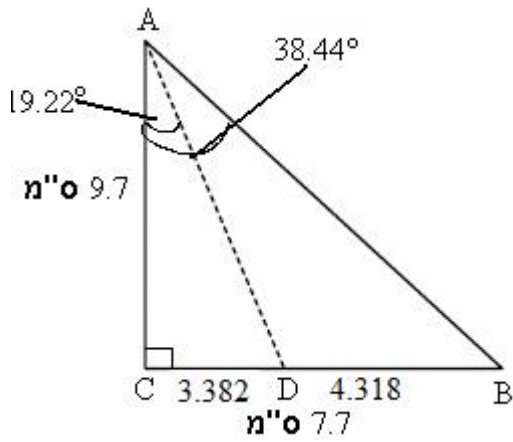
$$d_{AB} = \sqrt{26}$$

ABCD

AB

AD

ABCD



ΔABC

$$\tan \sphericalangle BAC = \frac{BC}{AC}$$

$$\tan \sphericalangle BAC = \frac{7.7}{9.7}$$

$$\tan \sphericalangle BAC = 0.7938$$

$$\sphericalangle BAC = 38.44^\circ$$

. 38.44° BAC :

AD .

$$\sphericalangle CAD = \frac{38.44^\circ}{2}$$

$$\sphericalangle CAD = 19.22^\circ$$

: CD

ΔACD

$$\tan \sphericalangle CAD = \frac{CD}{AC}$$

$$\tan 19.22^\circ = \frac{CD}{9.7} \quad / \cdot 9.7$$

$$9.7 \tan 19.22^\circ = CD$$

$$CD = \text{" } 3.382$$

. " 3.382 CD :

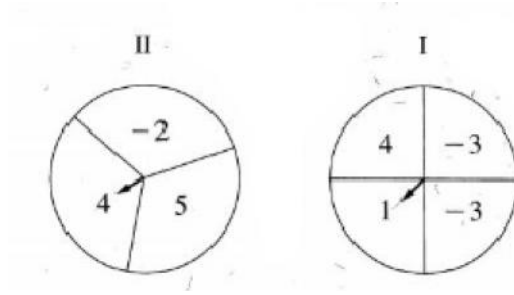
BD

$$BD = BC - CD$$

$$BD = 7.7 - 3.382$$

$$BD = \text{" } 4.318$$

. " 4.318 BD :



$P(II) = \frac{1}{3}$ - $P(I) = \frac{1}{4}$:

$P(I, II) = P(II) \cdot P(I) = \frac{1}{3} \cdot \frac{1}{4} = \frac{1}{12}$

(5, 5), (5, 1), (4, 4), (4, 1), (-2, -3), (-2, -3) :

$6 \cdot \frac{1}{12} = \frac{1}{2}$:

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

$P(II) = \frac{1}{3}$ - $P(I) = \frac{1}{4}$ -

12 -

II \ I	4	1	-3	-3
-2				
4				
5				

12 6 - :