

$$.25\% - \quad , \quad 4,000$$

$$,25\% -$$

$$\cdot \quad \frac{100+25}{100} = 1.25$$

$$\cdot \quad 4000 \cdot 1.25 = \quad 4500 : \quad ,$$

$$\cdot \quad 5,000 \quad :$$

,

$$\cdot \quad 4,250$$

$$\cdot 5000 - 4250 = \quad 750 :$$

$$\frac{750}{5000} \cdot 100 = 15\%$$

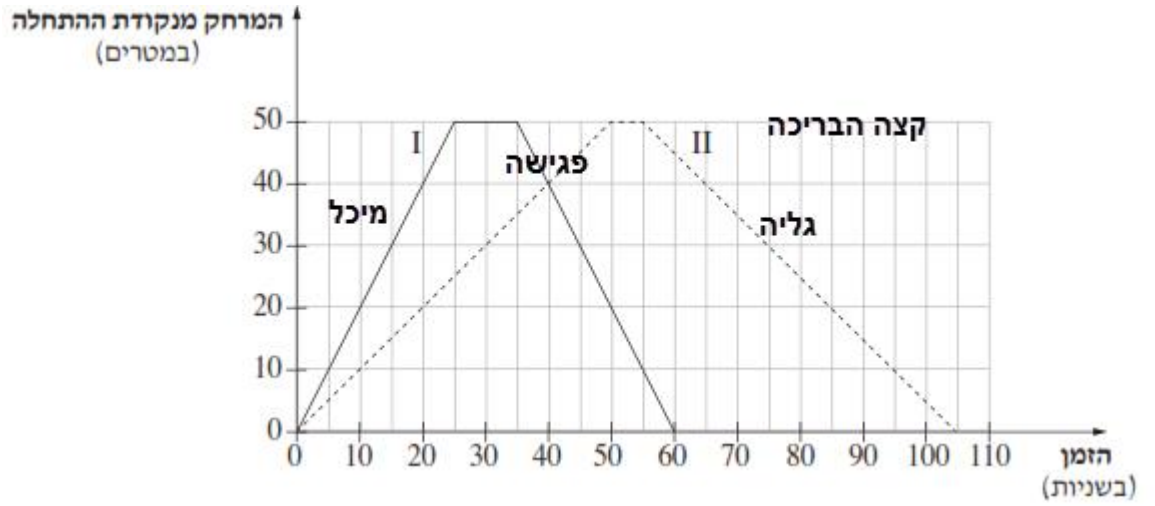
$$\cdot \quad 5,000 \quad 4,250$$

$$\frac{4250}{5000} = 0.85$$

$$0.85 = 0.85 \cdot 100\% = 85\% :$$

$$\cdot \quad 5,000 \quad 15\%$$

$$\cdot \quad 4,250 \quad , \quad 15\% :$$



5 - , , x - ,
 10 - , y - ,
 , ()
 , x -
 , ()

, ,
 ,
 , II , I :

10 - , ()
 (55 - 50 -) 5 . (35 - 25 -)
 , 10 :

, ,
 .40 - -
 40 :

- , - ,
 :
 . 105 - 60 = 45 : , . 105 , 60
 . 40 :

$$d = 0.5 \quad a_1 = 3 \quad , \quad +\frac{1}{2} = 0.5$$

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

.7 -

$$a_7 = 3 + (7-1) \cdot 0.5$$

$$a_7 = 3 + 6 \cdot 0.5$$

$$a_7 = 3 + 3$$

$$\boxed{a_7 = 6}$$

6 :

.S₇ ,

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

$$S_7 = \frac{7[2 \cdot 3 + 0.5 \cdot (7-1)]}{2}$$

$$S_7 = \frac{7 \cdot (6+3)}{2}$$

$$S_7 = \frac{7 \cdot 9}{2}$$

$$\boxed{S_7 = 31.5}$$

" 31.5 :

.BC , $(\frac{1}{2})$ $y = \frac{1}{2}x - 2$.

.AC , $(-\frac{3}{4})$ $y = -\frac{3}{4}x + 8$

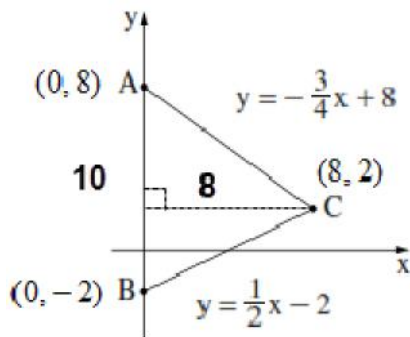
. $y = -\frac{3}{4}x + 8$ $x = 0$. $x_A = 0$ $y =$ A

$y = -\frac{3}{4} \cdot 0 + 8 = 8 \rightarrow \boxed{A(0, 8)}$

. $y = \frac{1}{2}x - 2$ $x = 0$. $x_B = 0$ $y =$ B

$y = \frac{1}{2} \cdot 0 - 2 = -2 \rightarrow \boxed{B(0, -2)}$

. BC - AC C



$$\begin{cases} y = \frac{1}{2}x - 2 \\ y = -\frac{3}{4}x + 8 \end{cases}$$

$$\frac{1}{2}x - 2 = -\frac{3}{4}x + 8$$

$$\frac{1}{2}x + \frac{3}{4}x = 8 + 2$$

$$\frac{5}{4}x = 10 \quad /: \frac{5}{4}$$

$x = 8 \rightarrow y = \frac{1}{2} \cdot 8 - 2 = 2 \rightarrow \boxed{C(8, 2)}$

. C(8, 2) , B(0, -2) , A(0, 8) :

. $AB = 8 - (-2) = 10$ $y =$ B(0, -2) - A(0, 8) .

. $AB = 10$:

. ΔABC .

. $AB = C =$

$h = 8 - 0 = 8$

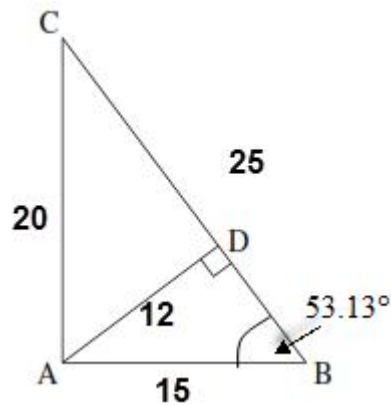
$$S_{\Delta ABC} = \frac{AB \cdot h}{2} = \frac{10 \cdot 8}{2} = 40$$

. " 40 ΔABC :

• , C(8, 2) - A(0, 8) AC •

• AB AC = 10 , $d_{AC} = \sqrt{(0-8)^2 + (8-2)^2} = \sqrt{100} = 10$

• AC = AB = 10 :



. $\sphericalangle ABD$

$\triangle ABD$

$$\sin \sphericalangle ABD = \frac{AD}{AB}$$

$$\sin \sphericalangle ABD = \frac{12}{15}$$

$$\boxed{\sphericalangle ABD = 53.13^\circ}$$

. $\sphericalangle ABD = 53.13^\circ$:

. AC

$\triangle ABC$

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

$$\tan 53.13^\circ = \frac{AC}{15}$$

$$15 \tan 53.13^\circ = AC$$

$$AC = \text{ " } 20$$

. AC = " 20 :

. $\sphericalangle A = 90^\circ$, AB AC

$$S_{\triangle ABC} = \frac{AB \cdot AC}{2} = \frac{15 \cdot 20}{2} = 150 \rightarrow \boxed{S_{\triangle ABC} = 150}$$

. " 150 ABC :

. BC

$\triangle ABC$

$$(BC)^2 = (AB)^2 + (AC)^2$$

$$(BC)^2 = 15^2 + 20^2$$

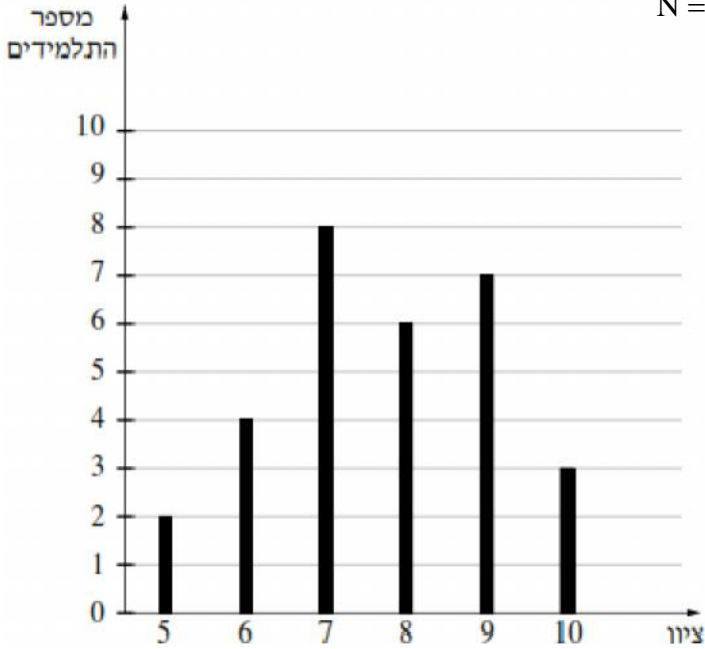
$$(BC)^2 = 625$$

$$BC = \sqrt{625}$$

$$BC = \text{ " } 25$$

. " 25 BC :

| | | | | | | |
|----|---|---|---|---|---|-----|
| 10 | 9 | 8 | 7 | 6 | 5 | (x) |
| 3 | 7 | 6 | 8 | 4 | 2 | (f) |



$$N = f_1 + f_2 + \dots + f_n :$$

$$N = 2 + 4 + 8 + 6 + 7 + 3$$

$$\boxed{N = 30}$$

$$\bar{x} = \frac{x_1 f_1 + x_2 f_2 + \dots + x_n f_n}{N} :$$

$$\bar{x} = \frac{5 \cdot 2 + 6 \cdot 4 + 7 \cdot 8 + 8 \cdot 6 + 9 \cdot 7 + 10 \cdot 3}{30} = \frac{220}{30}$$

$$\boxed{\bar{x} = 7.7}$$

$$\cdot \left(\frac{30}{2} = 15\right) 16 - 15 -$$

| | | | | | | |
|----|----|----|----|---|---|-----|
| 10 | 9 | 8 | 7 | 6 | 5 | (x) |
| 3 | 7 | 6 | 8 | 4 | 2 | (f) |
| 30 | 27 | 20 | 14 | 6 | 2 | |

(.8

$$\cdot \frac{8+8}{2} = \frac{16}{2} = 8 \quad 16 - 15 -$$

.8

.(8)

,7

.7

:

.7.7 -

,

| | | | | | | |
|----|---|---|---|---|---|-----|
| 10 | 9 | 8 | 7 | 6 | 5 | (x) |
| 3 | 7 | 6 | 8 | 4 | 2 | (f) |

.10

3

,9

7,8

6

$$p = \frac{6+7+3}{30} = \frac{16}{30} = \frac{8}{15}$$

:

$$1.1 \frac{8}{15} 1$$

1

1K