

$$, F ,$$

$$F = \frac{9C}{5} + 32 \quad : C ,$$

100

$$: C \quad 100$$

$$F = \frac{9 \cdot 100}{5} + 32$$

$$F = 180 + 32$$

$$\boxed{F = 212}$$

212

$$. F = C$$

C F

$$F = \frac{9F}{5} + 32 \quad / \cdot 5$$

$$5F = 9F + 160$$

$$-4F = 160 \quad / -4$$

$$F = -40 = C$$

(-40) :

$$5 \quad F = \frac{9C}{5} + 32$$

$$5F = 9C + 160$$

$$5F - 160 = 9C \quad / : 9$$

$$\cdot \frac{5F - 160}{9} = C$$

$$\boxed{C = \frac{5F - 160}{9}}$$

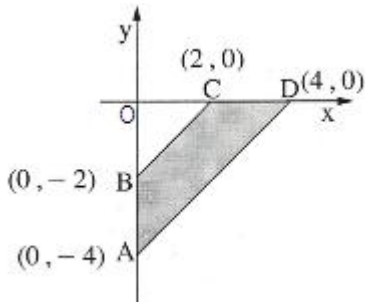
$$\cdot C = \frac{5F - 160}{9} :$$

50°C " 1.5
 15°C " 1.5
 .(12)
 .(1)
 . (50° - 15° = 35°C) 35°C

12 6
 " 8 " 1.5
 :

	12	6	
15°	50°	25°	" 1.5
20°	25°	20°	" 8
5°	25°	5°	

12 20° -
 - , - 3 - 4



. BC - AD

$$m_{AD} = \frac{-4-0}{0-4} = \frac{-4}{-4} = 1$$

$$m_{BC} = \frac{-2-0}{0-2} = \frac{-2}{-2} = 1$$

AD || BC :

. BC - AD

$$d_{AD} = \sqrt{(0-4)^2 + (-4-0)^2} = \sqrt{32} = 5.657$$

$$d_{BC} = \sqrt{(0-2)^2 + (-2-0)^2} = \sqrt{8} = 2.828$$

. BC = 2.828 , AD = 5.657 :

. ABCD

$$CD = x_D - x_C = 4 - 2 = 2$$

$$BA = y_B - y_A = -2 - (-4) = 2$$

$$. 5.657 + 2 + 2.828 + 2 = 12.49 : ABCD$$

$$. 12.49 \quad ABCD \quad :$$

.(- 0)

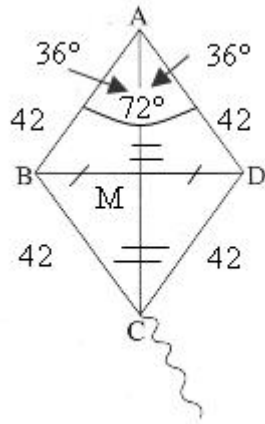
, ABCD

$$S_{\Delta OAD} = \frac{OD \cdot OA}{2} = \frac{4 \cdot 4}{2} = 8$$

$$S_{\Delta OBC} = \frac{OB \cdot OC}{2} = \frac{2 \cdot 2}{2} = 2$$

$$. 8 - 2 = 6 \quad ABCD$$

$$. 6 \quad ABCD \quad :$$



$$\sphericalangle MAB = \frac{\sphericalangle BAD}{2} = \frac{72^\circ}{2} = 36^\circ$$

. AC

$\triangle ABM$

$$\cos \sphericalangle MAB = \frac{MA}{AB}$$

$$\cos 36^\circ = \frac{MA}{42}$$

$$42 \cos 36^\circ = MA$$

$$MA = 33.98$$

$$AC = 2 \cdot 33.98 = \text{" } 67.96 \text{ :}$$

BD

$\triangle ABM$

$$\sin \sphericalangle MAB = \frac{MB}{AB}$$

$$\sin 36^\circ = \frac{MB}{42}$$

$$42 \sin 36^\circ = MB$$

$$MB = 24.69$$

$$BD = 2 \cdot 24.69 = 49.38 \text{ :}$$

$$\text{.BD = " } 49.38 \text{ , AC = " } 67.96 \text{ :}$$

$$S = \frac{a \cdot h}{2}$$

$$4 \cdot 419.5 = 1,678 \text{ :}$$

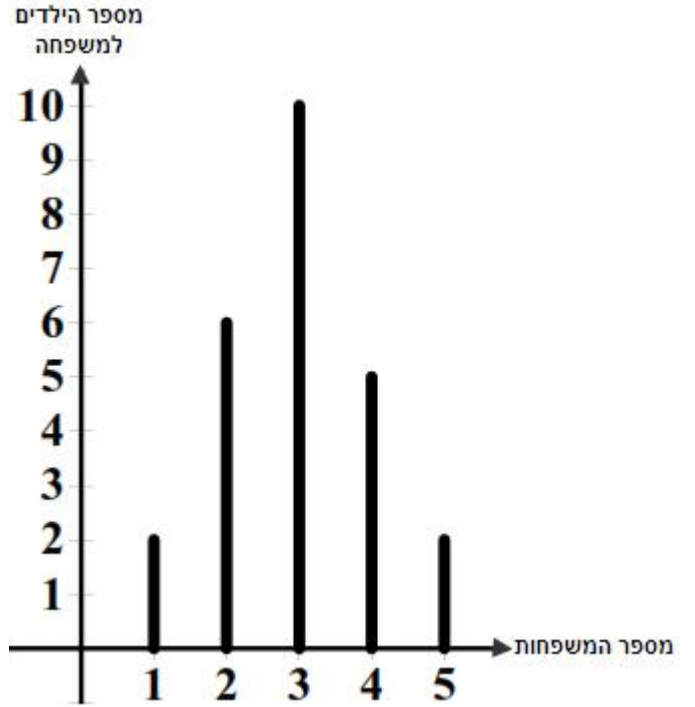
$$(S_{ABCD} = \frac{AC \cdot BD}{2} = \frac{49.38 \cdot 67.96}{2} = 1678 \text{ :}$$

$$S_{ABM} = \frac{MB \cdot MA}{2} = \frac{24.69 \cdot 33.98}{2} = 419.5$$

$$\text{" } 1,678 \text{ :}$$

:

5	4	3	2	1	(x)
2	5	10	6	2	(f)



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

$$N = 2 + 6 + 10 + 5 + 2$$

$$\boxed{N = 25}$$

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

$$\bar{x} = \frac{1 \cdot 2 + 2 \cdot 6 + 3 \cdot 10 + 4 \cdot 5 + 5 \cdot 2}{25} = \frac{74}{25}$$

$$\boxed{\bar{x} = 2.96}$$

$$. 2.96$$

:

$$. 5 \quad 2 \quad 4 \quad 5, \quad 3 \quad 10$$

$$p = \frac{10 + 5 + 2}{25} = \frac{17}{25}$$

:

$$\frac{17}{25}$$

:

"

(1,1)	(1,2)	(1,3)	(1,4)	(1,5)	(1,6)
(2,1)	(2,2)	(2,3)	(2,4)	(2,5)	(2,6)
(3,1)	(3,2)	(3,3)	(3,4)	(3,5)	(3,6)
(4,1)	(4,2)	(4,3)	(4,4)	(4,5)	(4,6)
(5,1)	(5,2)	(5,3)	(5,4)	(5,5)	(5,6)
(6,1)	(6,2)	(6,3)	(6,4)	(6,5)	(6,6)

.2

(1,1)

$p = \frac{1}{36} :$

$\frac{1}{36} :$

:

6

(6,6) , (5,5) , (4,4) , (3,3) , (2,2) , (1,1)

:

$p = \frac{6}{36} = \frac{1}{6}$

:

$\frac{1}{6}$

.3

(3,6) , (3,5) , (3,4) , (3,2) , (3,1) , (6,3) , (5,3) , (4,3) , (2,3) , (1,3) :

10

$p = \frac{10}{36} = \frac{5}{18} :$

$\frac{5}{18}$ 3 :