

$$x = 5 \cdot t^2 :$$

$$\begin{aligned} & , \quad ( \quad ) \quad x \\ & \quad \quad \quad ( \quad ) \quad t - \end{aligned}$$

$$t = 3 \quad 3$$

$$x = 5 \cdot 3^2 = 45$$

$$45 \quad 3 \quad :$$

$$180$$

$$x = 180$$

$$180 = 5 \cdot t^2 \quad /:5$$

$$36 = t^2$$

$$\boxed{t = 6} \quad \leftarrow t > 0$$

$$180 \quad , \quad 6 \quad :$$

$$x = 5 \cdot t^2 :$$

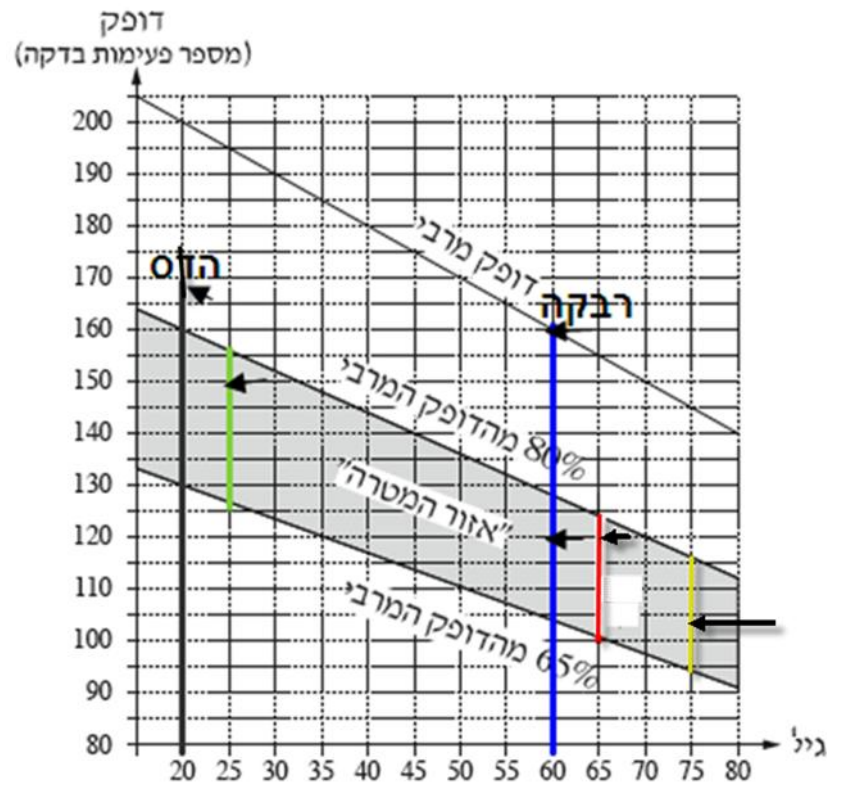
$$x \quad t^2$$

$$x = 5 \cdot t^2 \quad /:5$$

$$\frac{x}{5} = t^2$$

$$\boxed{t^2 = \frac{x}{5}}$$

$$t^2 = \frac{x}{5} :$$



.20 .

175 (1)

:

,20 - , (2)

160 - 130 :

.60 .

, , , .

.160 :

. 25 - 65 , 75 , , , .

. 25 150

. 65 120

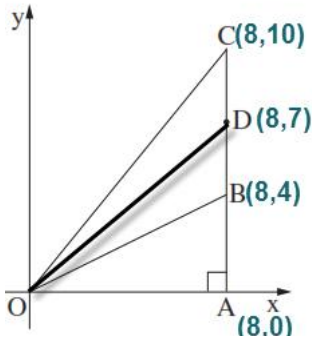
. 75 100

. 150 25 - :

. 120 65 -

. 100 75 -

"



.  $AB = 4, AO = 8$  , ,  $\triangle ABO$  .

$$S_{\triangle ABO} = \frac{AO \cdot AB}{2} = \frac{8 \cdot 4}{2} = 16 : \triangle ABO$$

.16  $\triangle ABO$  :

.40  $\triangle ACO$  .

$$S_{\triangle ACO} = \frac{AO \cdot AC}{2}$$

$$40 = \frac{8 \cdot AC}{2}$$

$$40 = 4AC \quad /:4$$

$$\left. \begin{aligned} AC = 10 &\rightarrow y_C = 10 \\ x_C = x_B = 8 \end{aligned} \right\} \boxed{C(8, 10)}$$

.  $C(8, 10)$  :

.  $BC$   $AO$  ,  $\triangle BCO$  .

$$. AO = 8, BC = 10 - 4 = 6$$

$$S_{\triangle BCO} = \frac{BC \cdot AO}{2} = \frac{6 \cdot 8}{2} = 24 : \triangle BCO$$

.24  $\triangle BCO$  :

.  $BC$  ,  $D$  .

$$\left. \begin{aligned} y_D = \frac{y_C + y_B}{2} = \frac{10 + 4}{2} = 7 &\rightarrow y_D = 7 \\ x_D = x_C = 8 \end{aligned} \right\} \boxed{D(8, 7)}$$

.  $D(8, 7)$  :

$O(0, 0)$  ,  $D(8, 7)$  ,  $\triangle BCO$  ,  $OD$  .

$$m_{OD} = \frac{y_D - y_O}{x_D - x_O} = \frac{7 - 0}{8 - 0} = \frac{7}{8}$$

$$y - 0 = \frac{7}{8}(x - 0)$$

$$\boxed{y = \frac{7}{8}x}$$

.  $y = \frac{7}{8}x$  ,  $\triangle BCO$  ,  $OD$  :

$$\boxed{d = -3}$$

, " 3 - \_\_\_\_\_ , -3

. " 522 , " 22 - 5

$$S_{12} = 522 : , 12$$

$$S_{12} = 522 \quad a_1$$

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

$$522 = \frac{12[2a_1 + (-3)(12-1)]}{2}$$

$$522 = 6(2a_1 - 3 \cdot 11)$$

$$522 = 6(2a_1 - 33)$$

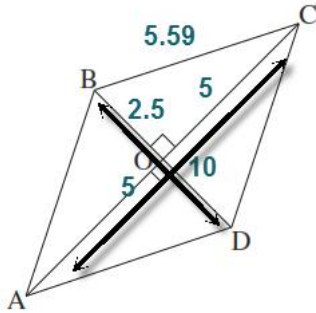
$$522 = 12a_1 - 198$$

$$-12a_1 = -198 - 522$$

$$-12a_1 = -720 \quad /: (-12)$$

$$\boxed{a_1 = 60cm}$$

. " 60 :



,  $BD = 5$   
 $AC = 10$

$CO = \frac{AC}{2} = \frac{10}{2} = 5cm, \quad BO = \frac{BD}{2} = \frac{5}{2} = 2.5cm$

$\angle AOB = 90^\circ$

$\triangle BOC$

$\tan \angle BCO = \frac{BO}{CO}$

$\tan \angle BCO = \frac{2.5}{5}$

$\angle BCO = 26.565^\circ$

$\angle BCD = 2 \cdot 26.565^\circ = 53.13^\circ - \angle BCO = \angle DCO :$

$\angle CDA = 180^\circ - 53.13^\circ = 126.87^\circ$

$(\text{Area}) 126.87^\circ, 53.13^\circ :$

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

$4 \cdot 6.25 = 25cm^2 :$

$S_{BOC} = \frac{BO \cdot CO}{2} = \frac{2.5 \cdot 5}{2} = 6.25cm^2$

$(S_{ABCD} = \frac{AC \cdot BD}{2} = \frac{10 \cdot 5}{2} = 25cm^2 :$

$25 :$

$\triangle BOC$

$(BC)^2 = (BO)^2 + (CO)^2$

$(BC)^2 = 2.5^2 + 5^2$

$(BC)^2 = 31.25$

$BC = \sqrt{31.25} = 5.59cm$

$5.59 \cdot 4 = 22.36$

$22.36 :$

30% =  $\frac{30}{100} = 0.3$       55 -

30%      55 -  
 ,      ,  
 . 0.3      :

40% =  $\frac{40}{100} = 0.4$       70 -

20% + 10% + 10% = 40%      70 -  
 ,      ,  
 . 0.4      :

