

$$y = -x^2 + 7x - 6$$

$$y = 0$$

$$0 = -x^2 + 7x - 6$$

$$x_{1,2} = \frac{-7 \pm 5}{-2}$$

$$x_1 = \frac{-7+5}{-2} = \frac{-2}{-2} = 1 \rightarrow \boxed{A(1,0)}$$

$$x_2 = \frac{-7-5}{-2} = \frac{-12}{-2} = 6 \rightarrow \boxed{B(6,0)}$$

$$B(6,0), A(1,0) :$$

B

A

$$6 - 1 = 5$$

$$5$$

$$y = -x^2 + 7x - 6$$

$$x = 0$$

$$y = -0^2 + 7 \cdot 0 - 6 = -6 \rightarrow \boxed{(0,-6)}$$

$$(0,-6) :$$

y

x

$$6 - 1 = 5$$

$$x = 2$$

y

x

$$1 - 6 = -5$$

$$x = 7$$

"

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$x = \dots$

$\frac{100-20}{100} \cdot x = 0.8x$, 20% -

$0.8x = 72$, 72 :

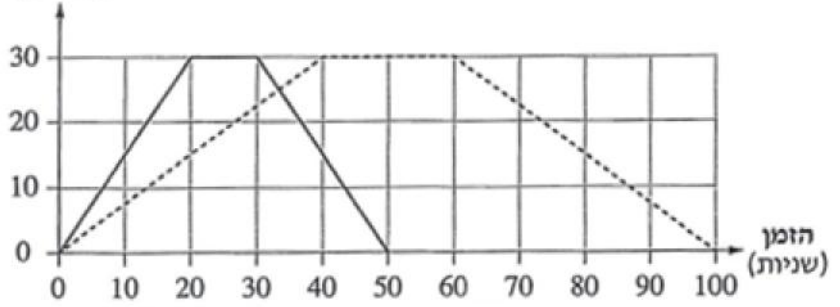
$0.8x = 72 \quad /: 0.8$
 $x = 90$

90 :

$90 - 72 = 18$:

18 - :

המרחק מנקודת ההתחלה
(מטרים)



10 - , x - ,

10 - , y - ,

, ()

x -

, ()

20 -

x - , ()

, (60 - 40 -)

20 :

.33 - - .33 - :

, ()

, ()

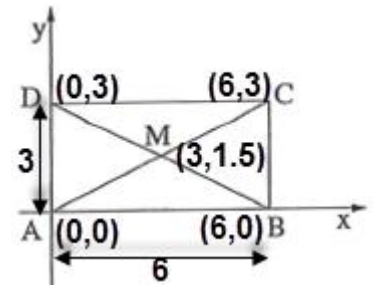
.100 -

,50-

. 100 - 50 = 50

50

∴



AB · AD :

AD = 3 - 0 = 3 , AB = 6 - 0 = 6

AB · AD = 6 · 3 = 18 :

" 18 :

M

$$x_M = \frac{x_B + x_D}{2} = \frac{6 + 0}{2} = \frac{6}{2} = 3$$

$$y_M = \frac{y_B + y_D}{2} = \frac{0 + 3}{2} = \frac{3}{2} = 1.5$$

M(3, 1.5) :

C

$$y_M = \frac{y_A + y_C}{2} \quad x_M = \frac{x_A + x_C}{2}$$

$$1.5 = \frac{0 + y_C}{2} \quad 3 = \frac{0 + x_C}{2}$$

$$3 = y_C \quad 6 = x_C$$

C(6, 3) : C

C(6, 3) , M(3, 1.5) :

(CM) DM

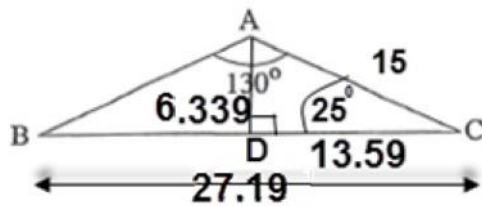
CM = DM = 3.354 , $d_{DM} = \sqrt{(0-3)^2 + (3-1.5)^2} = 3.354$

DC = AB = 6

3.354 + 3.354 + 6 = " 12.71 DMC

" 12.71 DMC :

"



$$\sphericalangle B = \sphericalangle C = \frac{180^\circ - 130^\circ}{2} = \frac{50^\circ}{2} = 25^\circ :$$

. BC AD

$\triangle ACD$

$$\cos \sphericalangle C = \frac{CD}{AC}$$

$$\cos 25^\circ = \frac{CD}{15}$$

$$15 \cos 25^\circ = CD$$

$$CD = 13.59 \text{ cm}$$

$$BC = 2CD = 2 \cdot 13.595 = 27.19 \text{ cm} :$$

. " 27.19 BC :

. AD

$\triangle ACD$

$$\sin \sphericalangle C = \frac{AD}{AC}$$

$$\sin 25^\circ = \frac{AD}{15}$$

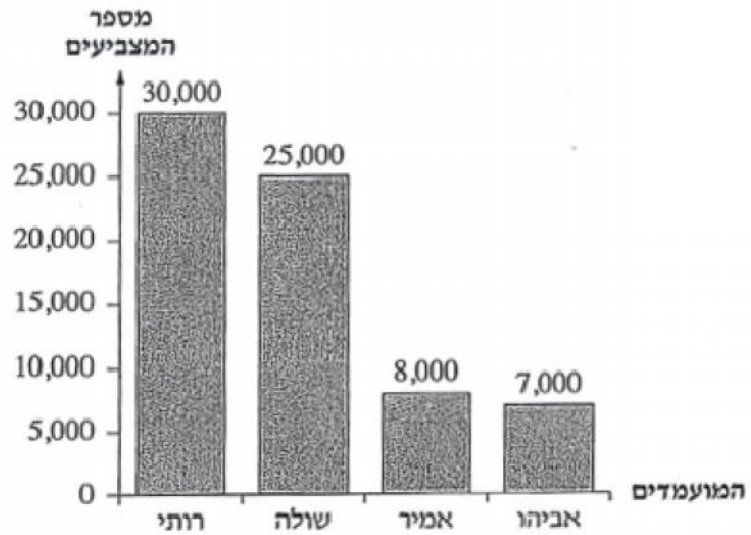
$$15 \sin 25^\circ = AD$$

$$AD = 6.339 \text{ cm}$$

$$S = \frac{BC \cdot AD}{2} : ABC$$

$$S = \frac{27.19 \cdot 6.339}{2} = 86.18 \text{ cm}^2$$

. " 86.18 ABC :



$$30,000 + 25,000 + 8,000 + 7,000 = 70,000$$

70,000 :

$$\frac{7,000}{70,000} \cdot 100\% = 10\%$$

, 10% :

$$\frac{25,000 + 8,000}{70,000} = \frac{33,000}{70,000} = \frac{33}{70} \approx 0.471$$

$$\frac{33}{70} \approx 0.471$$

105,000 ,

$$\frac{70,000}{105,000} \cdot 100\% = 66\frac{2}{3}\%$$

, 66 $\frac{2}{3}$ % :