

$$36 - 6 = \frac{6}{30} \cdot 100\% = 20\%$$

$$x + y = 20$$

()	()	()	
36x	36	x	
30y	30	y	

$$36x + 30y = 648$$

$$\begin{cases} x + y = 20 \rightarrow y = 20 - x \\ 36x + 30y = 648 \end{cases}$$

$$36x + 30(20 - x) = 648$$

$$36x + 600 - 30x = 648$$

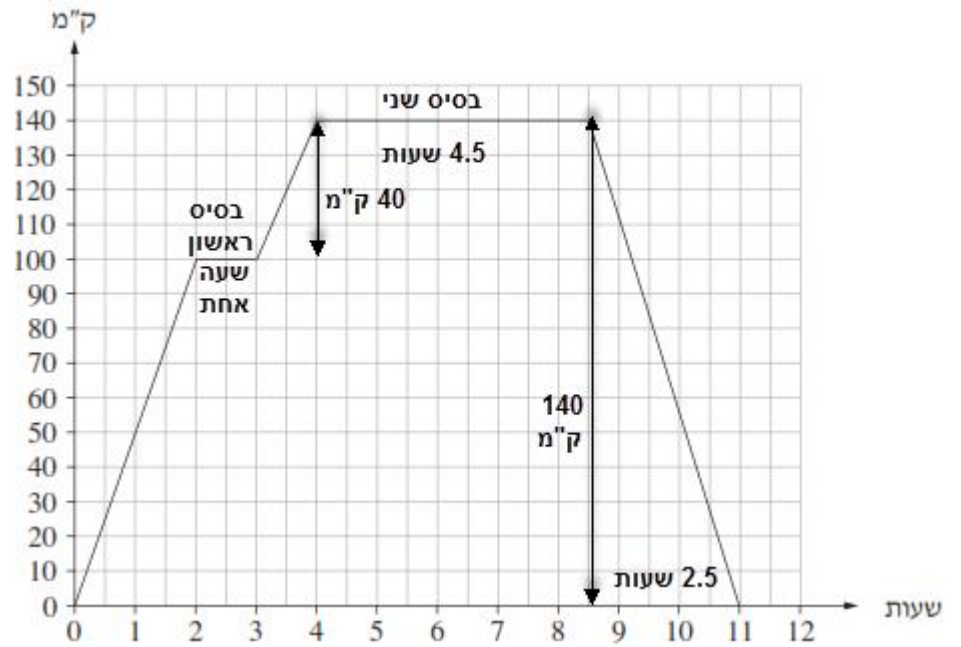
$$6x = 48 \quad /:6$$

$$x = 8$$

$$y = 20 - 8$$

$$y = 12$$

$$12 - , \quad 8 \quad :$$



, (3 - 2) .

. :

(1) .

.(8.5 - 4)

4.5

(2)

. 4.5 :

. 140 - 100 = " 40

. " 40 :

. " 140

140 · 2 = " 280 :

. " 280 :

.(11 - 8.5) 2.5

. 2.5 , " 140

. 140 : 2.5 = " 56 :

. " 56 :

$a_1 = 14$:

$a_{11} = 44$:

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

$$a_{11} = a_1 + (11-1)d$$

$$44 = 14 + 10d$$

$$30 = 10d \quad /:10$$

$$d = 3$$

.3

a_{15} -

: 15 -

$$a_{15} = a_1 + (15-1)d$$

$$a_{15} = 14 + 14 \cdot 3$$

$$a_{15} = 14 + 42$$

$$\boxed{a_{15} = 56}$$

S_{20} -

S_{20} ,

20 ,

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

$$S_{20} = \frac{20[2 \cdot 14 + 3 \cdot (20-1)]}{2}$$

$$S_{20} = \frac{20 \cdot (28 + 3 \cdot 19)}{2}$$

$$S_{20} = \frac{20 \cdot (28 + 57)}{2}$$

$$\boxed{S_{20} = 850}$$

850 :

.x - $y = -\frac{1}{2}x + 11$ - $y = 2x + 6$.

. y = 0 x -

$0 = 2x + 6$

$-2x = 6$

$x = -3$

. A(-3, 0)

$0 = -\frac{1}{2}x + 11$

$\frac{1}{2}x = 11 \quad /: \frac{1}{2}$

$x = 22$

. C(22, 0)

:

$$\begin{cases} y = -\frac{1}{2}x + 11 \\ y = 2x + 6 \end{cases}$$

$2x + 6 = -\frac{1}{2}x + 11$

$\Leftrightarrow 2\frac{1}{2}x = 5 \quad /: 2\frac{1}{2}$

$\Leftrightarrow x = 2 \rightarrow y = 2 \cdot 2 + 6 = 10$

B(2, 10) :

A(-3, 0), B(2, 10), C(22, 0) :

:

. $AC = 22 - (-3) = 25$

. ' 25 x -

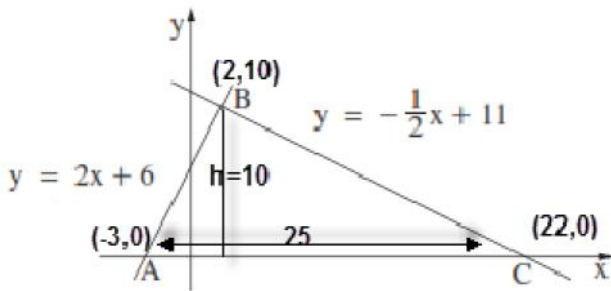
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. ' $10 - 0 = 10$ AC B , h , .

$S_{\Delta ABC} = \frac{AC \cdot h}{2} = \frac{25 \cdot 10}{2} = 125$

. " 125 ABC :

"



. $\sphericalangle ABK = 180^\circ - 130^\circ = 50^\circ$ (1) .

$\sphericalangle ABK = 50^\circ$:

. AK (2)

$\triangle ABK$

$$\sin \sphericalangle ABK = \frac{AK}{AB}$$

$$\sin 50^\circ = \frac{AK}{6} \quad / \cdot 6$$

$$6 \sin 50^\circ = AK$$

$$AK = " 4.596$$

. " 4.596 AK :

, KB .

$\triangle AKB$

$$(AB)^2 = (AK)^2 + (KB)^2$$

$$6^2 = 4.596^2 + (KB)^2$$

$$14.87 = (KB)^2$$

$$KB = \sqrt{14.87}$$

$$KB = " 3.857$$

. " 3.857 KB :

. AKC .

$$KC = 3.857 + 9 = " 12.857$$

$$S = \frac{KC \cdot AK}{2}$$

$$S = \frac{12.857 \cdot 4.596}{2}$$

$$S = " 29.55$$

. " 29.55 AKC :

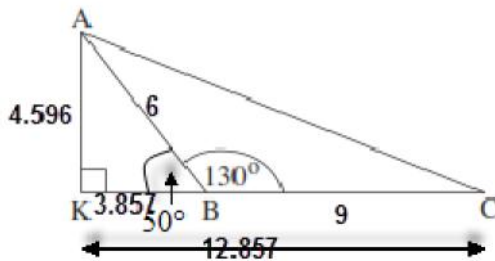
. ABC .

$$S = \frac{BC \cdot AK}{2}$$

$$S = \frac{9 \cdot 4.596}{2}$$

$$S = " 20.68$$

. " 20.68 ABC :



$$\frac{1}{6}$$

, 6 .
., , , , , :

$$\frac{1}{6} :$$

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

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

, () ,

$$\frac{1}{6} \cdot \frac{1}{6} + \frac{1}{6} \cdot \frac{1}{6} = \frac{1}{18}$$

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

$$\frac{1}{18} > \frac{1}{36}$$

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