

$$y = -x^2 + 6x - 5$$

$$y = 0 \quad x =$$

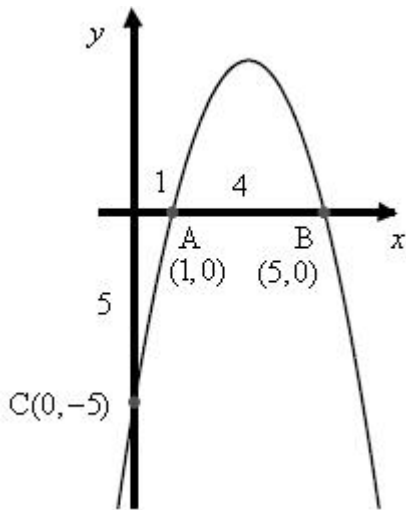
$$0 = -x^2 + 6x - 5$$

$$x_{1,2} = \frac{-6 \pm 4}{-2}$$

$$x_1 = \frac{-6+4}{-2} = \frac{-2}{-2} = 1 \rightarrow \boxed{A(1,0)}$$

$$x_2 = \frac{-6-4}{-2} = \frac{-10}{-2} = 5 \rightarrow \boxed{B(5,0)}$$

B(5,0) , A(1,0) :



$$y = -x^2 + 6x - 5$$

$$x = 0 \quad y =$$

$$y = -0^2 + 6 \cdot 0 - 5 = -5 \rightarrow \boxed{C(0,-5)}$$

C(0,-5) :

C

$$0 - (-5) = 5$$

$$5 : 5 = 1$$

B A1

$$5 - 1 = 4$$

$$4 : 4 = 1$$

A

$$1 - 0 = 1$$

$$1 : 1 = 1$$

$$15\% (x + 3000) = \frac{15}{100} (x + 4000) = 0.15(x + 3000)$$

$$- \quad 25\%$$

$$25\% x = \frac{25}{100} x = 0.25x$$

$$. 0.25x$$

$$0.15(x + 3000)$$

:

$$0.15(x + 3000) = 0.25x$$

$$0.15x + 450 = 0.25x$$

$$-0.1x = -450 \quad / : (-0.1)$$

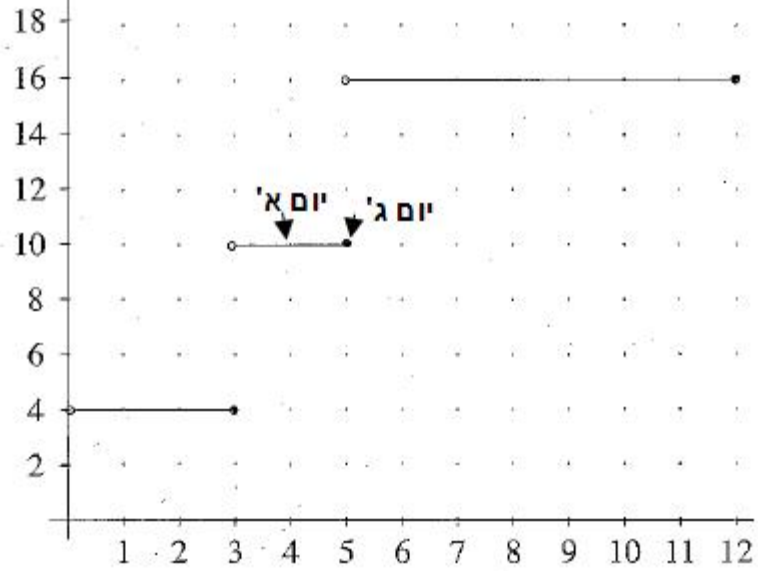
$$x = 4500$$

$$. \quad 4500$$

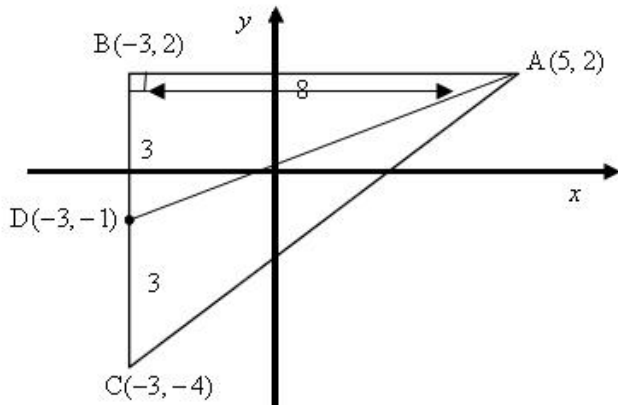
:

.(12:00 - 8:00) 4 II , .
 .() 10 :
 ,I , 7 .
 .() 16 II , 14 ,
 .(I) 14 :
 . II 5 , 10 .
 .(II) 5 :
 ,() 5 - , .
 .I 16 5 - .
 . 5 :

בחניון II
 תשלום לחנייה
 (שקלים)



זמן חנייה
 (שעות)



$$\begin{aligned}
 & \text{BC} \\
 & y - 2 - (-4) = 6 \quad (x) \\
 & \text{AB} \\
 & x - 5 - (-3) = 8 \quad (y) \\
 & S_{\triangle ABC} = \frac{BC \cdot AB}{2} = \frac{6 \cdot 8}{2} = 24
 \end{aligned}$$

" 24 ABC :

,BC ,D

$$\begin{aligned}
 x_D &= \frac{x_B + x_C}{2} = \frac{-3 + (-3)}{2} = \frac{-6}{2} = -3 \\
 y_D &= \frac{y_B + y_C}{2} = \frac{2 + (-4)}{2} = \frac{-2}{2} = -1
 \end{aligned}$$

.D(-3, -1) : BC

.D(-3, -1) :

$$\begin{aligned}
 & \text{ABD} \quad \text{BD} \\
 & \text{BD} \quad A \quad \text{AB} \\
 & S_{\triangle ABD} = \frac{BD \cdot AB}{2} = \frac{3 \cdot 8}{2} = 12
 \end{aligned}$$

" 12 ABD :

: ACD

$$S_{\triangle ACD} = S_{\triangle ABC} - S_{\triangle ABD} = 24 - 12 = 12$$

$$-1 - (-4) = 3 \quad \text{CD}$$

.CD A ,AB

$$S_{\triangle ACD} = \frac{CD \cdot AB}{2} = \frac{3 \cdot 8}{2} = 12$$

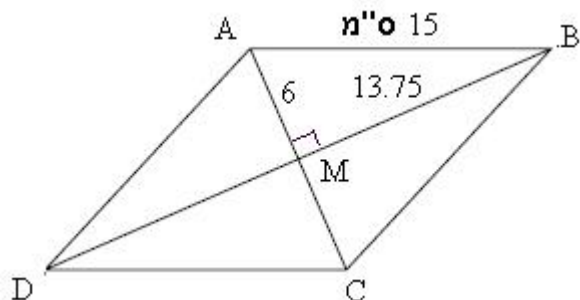
ABC AD :

.ABC

" ,

" 12 ACD :

"



, " 15

. " 12 AC

$$AM = \frac{AC}{2} = \frac{12}{2} = 6$$

$\triangle ABM$

$$(AB)^2 = (AM)^2 + (BM)^2$$

$$15^2 = 6^2 + (BM)^2$$

$$189 = (BM)^2$$

$$BM = \sqrt{189}$$

$$BM = 13.75$$

$$DB = 2 \cdot 13.75 = 27.5 :$$

" 27.5 :

$\sphericalangle MAB = \sphericalangle DAC :$

$\triangle ABM$

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

$$\cos \sphericalangle MAB = \frac{6}{15}$$

$$\cos \sphericalangle MAB = 0.4$$

$$\boxed{\sphericalangle MAB = 66.42^\circ}$$

. $\sphericalangle DAC = 66.42^\circ :$

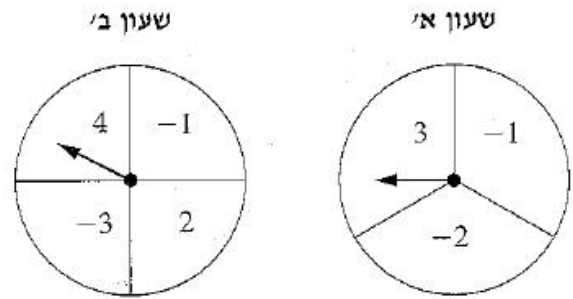
.4

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

$$S_{ABM} = \frac{BM \cdot AM}{2} = \frac{13.75 \cdot 6}{2} = 41.25$$

$$4 \cdot 41.25 = 165 :$$

" 165 :



$P(A = -1) = \frac{1}{4}$

$P(B = -3) = \frac{1}{3}$

$P(A = -1, B = -3) = P(A = -1) \cdot P(B = -3) = \frac{1}{4} \cdot \frac{1}{3} = \frac{1}{12}$

$P(A = -1, B = -1) = P(A = -1) \cdot P(B = -1) = \frac{1}{4} \cdot \frac{1}{4} = \frac{1}{16}$

$P(A = -1, B = -2) = P(A = -1) \cdot P(B = -2) = \frac{1}{4} \cdot \frac{1}{3} = \frac{1}{12}$

$P(A = -1, B = 3) = P(A = -1) \cdot P(B = 3) = \frac{1}{4} \cdot \frac{1}{3} = \frac{1}{12}$

$P(A = -1, B = 4) = P(A = -1) \cdot P(B = 4) = \frac{1}{4} \cdot \frac{1}{3} = \frac{1}{12}$

$P(A = -1, B = -3) = \frac{1}{12}$

$P(A = -1, B = -1) = \frac{1}{16}$

$P(A = -1, B = -2) = \frac{1}{12}$

$P(A = -1, B = 3) = \frac{1}{12}$

$P(A = -1, B = 4) = \frac{1}{12}$

$P(A = -1, B = -3, -1, -2, 3, 4) = \frac{1}{12} + \frac{1}{16} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} = \frac{1}{2}$