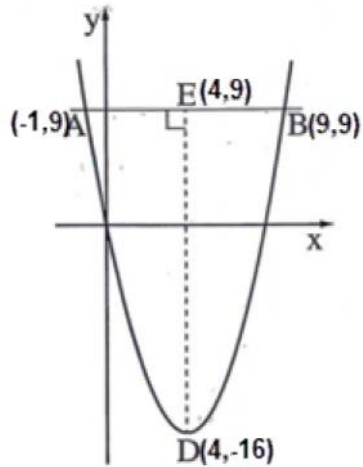


. B - A



$$. y = 9 \quad y = x^2 - 8x \quad .$$

$$, \quad y = 9$$

$$9 = x^2 - 8x$$

$$0 = x^2 - 8x - 9$$

$$x_{1,2} = \frac{-(-8) \pm \sqrt{(-8)^2 - 4 \cdot 1 \cdot (-9)}}{2 \cdot 1}$$

$$x_{1,2} = \frac{8 \pm 10}{2}$$

$$x_1 = \frac{8+10}{2} = \frac{18}{2} = 9 \rightarrow \boxed{B(9, 9)}$$

$$x_2 = \frac{8-10}{2} = \frac{-2}{2} = -1 \rightarrow \boxed{A(-1, 9)}$$

. B(9, 9) , A(-1, 9) :

x -

D

$$, x_{\text{kodkod}} = -\frac{b}{2a} = -\frac{-8}{2 \cdot 1} = 4$$

$$. x_{\text{kodkod}} = \frac{-1+9}{2} = \frac{8}{2} = 4$$

$$1B(9, 9) 1A(-1, 9)$$

. D(4, -16)

$$, y_{\text{kodkod}} = 4^2 - 8 \cdot 4 = -16 :$$

$$x = 4$$

. D(4, -16) :

. AB - DE .

$$. y_E = 9$$

$$. DE = y_E - y_D = 9 - (-16) = 25$$

. DE = 25 :

, -0.3

,

,

.

$$. \quad 0.3 - \underline{\hspace{2cm}}$$

$$. \quad d = -0.3 - a_1 = 9 ,$$

$$. \quad a_n = 7.2 \quad , \quad 7.2$$

$$. \quad d = -0.3 - a_1 = 9 \quad ,$$

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

$$7.2 = 9 + (n-1) \cdot (-0.3)$$

$$7.2 = 9 - 0.3(n-1)$$

$$7.2 = 9 - 0.3n + 0.3$$

$$7.2 = 9.3 - 0.3n$$

$$0.3n = 9.3 - 7.2$$

$$0.3n = 2.1 \quad / : 0.3$$

$$\boxed{n = 7}$$

$$. \quad 7 \quad \underline{\hspace{2cm}} \quad :$$

.  $S_7$ ,  $\underline{\hspace{2cm}}$ 

.

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

$$S_7 = \frac{7[2 \cdot 9 - 0.3 \cdot (7-1)]}{2}$$

$$S_7 = \frac{7[18 - 0.3 \cdot 6]}{2}$$

$$S_7 = \frac{7 \cdot 16.2}{2}$$

$$S_7 = 56.7$$

$$. \quad 2 \cdot 56.7 = \quad 113.4 \quad \underline{\hspace{2cm}} \quad ,$$

.

$$113.4 - \quad :$$

:

$$. \quad 20$$

$$. \quad 113.4 \cdot 20 = \quad 2,268 \quad :$$

.

 $\underline{\hspace{2cm}}$ 

$$2,268 \quad :$$

"

$$M_t = M_0 \cdot q^t$$

$$q = \frac{M_t}{M_0} \quad ( )$$

$$q = \frac{100 + P}{100} \quad ( )$$

9,000

10,112.4

$t = 2$

$M_t$	$M_0$	$q$	$t$
10,112.4	9,000	?	2

$$10,112.4 = 9,000 \cdot q^2 \quad /: 9,000$$

$$1.1236 = q^2$$

$$\sqrt{1.1236} = q$$

$$q = 1.06$$

:

$$1.06 = \frac{100 + P}{100} \quad / \cdot 100$$

$$106 = 100 + P$$

$$P = 6$$

6%

:

6,300

(1)

10%

$$q = \frac{100+10}{100} = \frac{110}{100} = 1.1$$

$M_t$	$M_0$	$q$	$t$
?	6,300	1.1	2

$$M_2 = 6,300 \cdot 1.1^2$$

$$M_2 = 7,623$$

7,623

8,385.3

(2)

$M_t$	$M_0$	$q$	$t$
8,385.3	6,300	1.1	?

$$6,300 \cdot 1.1^t = 8385.3$$

$t$

$$6,300 \cdot 1.1^1 = 6,930 \neq 8,385.3$$

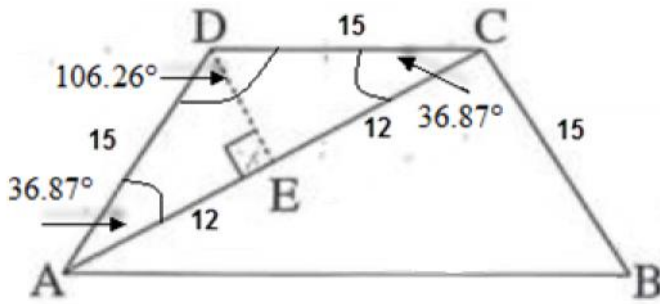
$$6,300 \cdot 1.1^2 = 7,623 \neq 8,385.3$$

$$6,300 \cdot 1.1^3 = 8,385.3 \quad o.k.$$

8,385.3

3

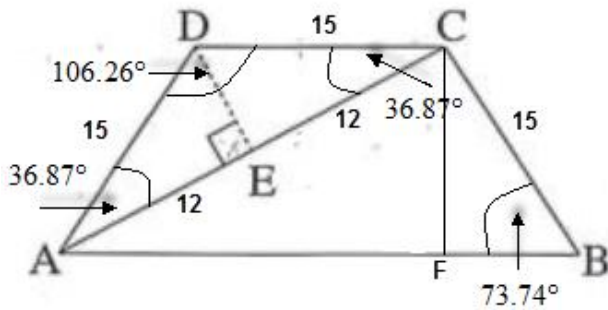
∴  $AE = CE = \frac{24}{2} = 12$  :



(  
(180°

∴(180°

∴(



ADC , AD = DC (1) .

AC DE

ΔDCE

$$\cos \angle DCE = \frac{CE}{DC}$$

$$\cos \angle DCE = \frac{12}{15}$$

$$\boxed{\angle DCE = 36.87^\circ}$$

∴  $\angle DCE = 36.87^\circ$  :

)  $\angle DAC = \angle DCE = 36.87^\circ$  (2)

)  $\angle ADC = 180^\circ - 36.87^\circ - 36.87^\circ = 106.26^\circ$

∴  $\angle ADC = 106.26^\circ$  :

)  $\angle DAB = 180^\circ - 106.26^\circ = 73.74^\circ$  (1) .

$\angle DAB = 73.74^\circ$  :

)  $\angle CBA = 73.74^\circ$  (2)

CF

ΔCFB

$$\sin \angle B = \frac{CF}{CB}$$

$$\sin 73.74^\circ = \frac{CF}{15} \quad / \cdot 15$$

$$15 \sin 73.74^\circ = CF$$

$$CF = 14.4$$

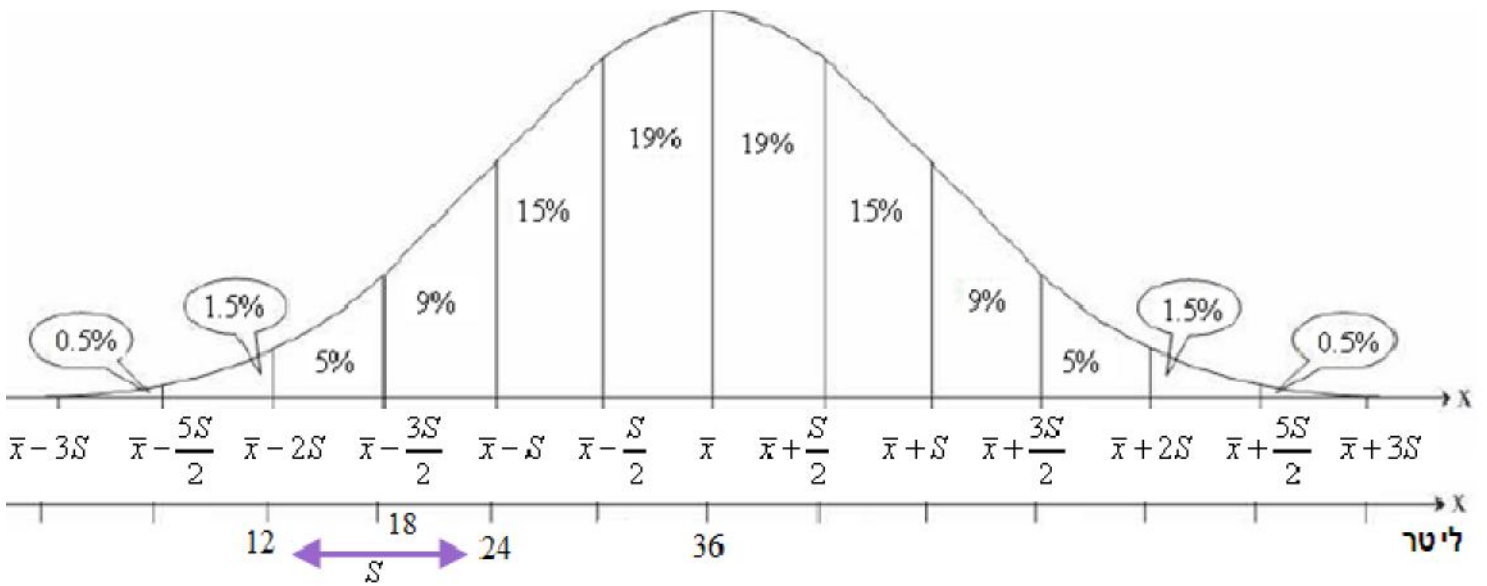
∴ 14.4 :

$$\begin{aligned}
 & .70\% = 0.7 & . \\
 P = 0.7 \cdot 0.7 \cdot 0.7 = 0.343 & : & , & , \\
 & . 0.343 & : & \\
 & .1 - 0.7 = 0.3 & . \\
 .P = 0.3 \cdot 0.3 \cdot 0.3 = 0.027 & \\
 . 0.027 & : &
 \end{aligned}$$

$0.5\% + 1.5\% + 5\% + 9\% = 16\%$

$0.5\% + 1.5\% = 2\%$

24 - 12 : \_\_\_\_\_



$\bar{x} - 12 = 24 \rightarrow \bar{x} = 36 \quad s = 12$

$\boxed{\bar{x} = 36} \quad \boxed{s = 12} :$

$100\% - 7\% = 93\%$

$0.5\% + 1.5\% + 5\% = 7\%$

$18 - 93\% :$