

$f(x) = x^2 - 6x + 5$ I

$g(x) = -x + 1$ II

$g(x) = -x + 1$ II, $f(x) = x^2 - 6x + 5$ I :

$$\begin{cases} y = x^2 - 6x + 5 \\ y = -x + 1 \end{cases}$$

$$x^2 - 6x + 5 = -x + 1$$

$$x^2 - 5x + 4 = 0$$

$$x_{1,2} = \frac{-(-5) \pm \sqrt{(-5)^2 - 4 \cdot 1 \cdot 4}}{2 \cdot 1}$$

$$x_{1,2} = \frac{5 \pm 3}{2}$$

$$x_1 = \frac{5+3}{2} = \frac{8}{2} = 4 \rightarrow y = -4 + 1 = -3 \rightarrow \boxed{(4, -3)}$$

$$x_2 = \frac{5-3}{2} = \frac{2}{2} = 1 \rightarrow y = -1 + 1 = 0 \rightarrow \boxed{(1, 0)}$$

$(1, 0), (4, -3)$:

$f(x) = x^2 - 6x + 5$

$x = -\frac{b}{2a}$

$(3, -4)$, $y = 3^2 - 6 \cdot 3 + 5 = -4$ - $x = \frac{-(-6)}{2 \cdot 1} = 3$,

$(3, -4)$:

$x < 3$,

$x < 3$:

$$, d = -0.4$$

$$" 0.4 - \underline{\hspace{2cm}}$$

$$. a_3 = 5 : , " 5$$

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

$$a_3 = 5$$

$$5 = a_1 + (3-1) \cdot d$$

$$5 = a_1 + 2 \cdot (-0.4)$$

$$5 = a_1 - 0.8$$

$$\boxed{a_1 = 5.8}$$

$$. (a_1 = 5.8) " 5.8$$

6

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

$$S_6 = \frac{6[2 \cdot 5.8 - 0.4 \cdot (6-1)]}{2}$$

$$S_6 = \frac{6 \cdot (11.6 - 0.4 \cdot 5)}{2}$$

$$S_6 = \frac{6 \cdot (11.6 - 2)}{2}$$

$$S_6 = \frac{6 \cdot 9.6}{2}$$

$$\boxed{S_6 = 28.8}$$

$$. " 28.8$$

6

9,000

10,112.4

2

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

$$10112.4 = 9000 \cdot q^2 \quad / : 9000$$

$$1.1236 = q^2$$

$$q = \sqrt[2]{1.1236}$$

$$\boxed{q = 1.06}$$

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

$$106 = 100 + P \quad / - 100$$

$$\boxed{P = 6\%}$$

6% -

6,300

.10% -

(1)

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

$$q = \frac{110}{100}$$

$$\boxed{q = 1.1}$$

M_t	M_0	q	t
?	6,300	1.1	2

$$M_2 = 6300 \cdot 1.01^2$$

$$\boxed{M_2 = 7623}$$

7,623

8,385.3

(2)

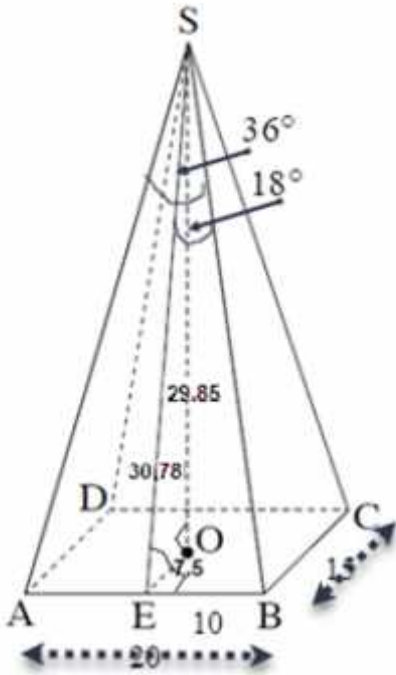
$$M_1 = 6300 \cdot 1.1^1 = 6930$$

$$M_2 = 6300 \cdot 1.1^2 = 7623$$

$$M_3 = 6300 \cdot 1.1^3 = 8385.3 \quad o.k.$$

8,385.3

3



.SAB ,SE
: , <ASB SE

$$.BE = \frac{AB}{2} = \frac{20}{2} = " 10$$

$$. \angle BSE = \frac{36^\circ}{2} = 18^\circ$$

ΔSBE

$$\tan 18^\circ = \frac{10}{SE}$$

$$SE = \frac{10}{\tan 18^\circ}$$

$$SE = " 30.78$$

$$. SE = " 30.78 :$$

. ,SO ,
. O ,

$$EO = \frac{BC}{2} = \frac{15}{2} = " 7.5$$

ΔSEO

$$(SO)^2 + (EO)^2 = (SE)^2$$

$$(SO)^2 + 7.5^2 = 30.78^2$$

$$(SO)^2 = 891.16$$

$$SO = " 29.85$$

$$. SO = " 29.85 :$$

. <SEO , SE

ΔSEO

$$\cos \angle SEO = \frac{EO}{SE}$$

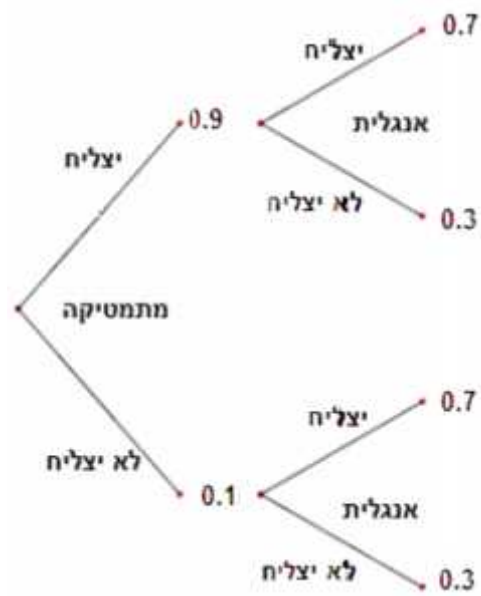
$$\cos \angle SEO = \frac{7.5}{30.78}$$

$$\boxed{\angle SEO = 75.9^\circ}$$

$$. 75.9^\circ SE :$$

. 0.1
. 0.3

,0.9
,0.7



$$P = 0.9 \cdot 0.7 = 0.63$$

.0.63 :

$$P = 0.9 \cdot 0.3 + 0.1 \cdot 0.7 = 0.34$$

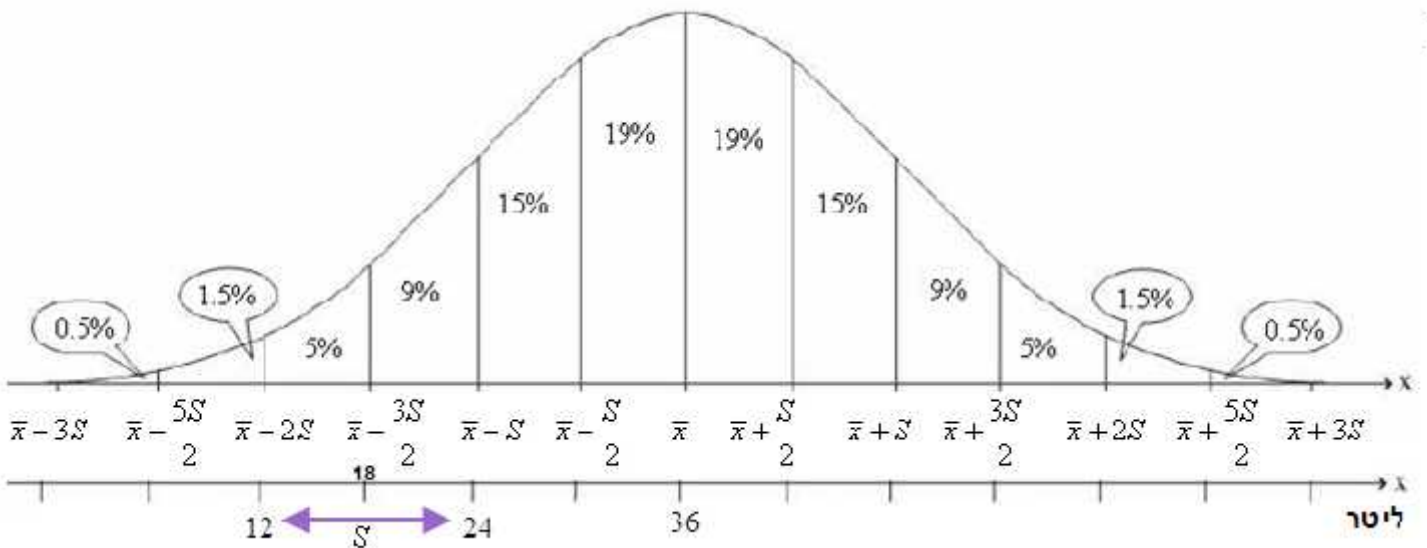
.0.34 :

$$P = 0.1 \cdot 0.7 + 0.9 \cdot 0.3 + 0.9 \cdot 0.7 = 0.97$$

$$P = 1 - 0.1 \cdot 0.3 = 1 - 0.03 = 0.97$$

.0.97 :

$\cdot 0.5\% + 1.5\% + 5\% + 9\% = 16\%$, $24 - 16\% =$.
 $\cdot 0.5\% + 1.5\% = 2\%$, 24 ,
 $\cdot 12 - 2\% =$, 12 ,
 $24 -$, $12 : \underline{\hspace{2cm}}$



$\cdot 24 - 12 = 12$,
 $\cdot \bar{x} - 12 = 24 \rightarrow \bar{x} = 36$, $s = 12 -$
 $\cdot 36$ 12 :

18 , $\frac{s}{2} = \frac{12}{2} = 6$, $s = 12 :$

$\cdot 0.5\% + 1.5\% + 5\% = 7\%$
 $\cdot 100\% - 7\% = 93\%$ $18 -$
 $\cdot 18 - 93\% :$