

. B - A

$$. y = -x^2 + 3x + 4$$

$$, \quad y = 0$$

$$0 = -x^2 + 3x + 4$$

$$x_{1,2} = \frac{-3 \pm \sqrt{3^2 - 4 \cdot (-1) \cdot 4}}{2 \cdot (-1)}$$

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

$$x_1 = \frac{-3+5}{-2} = \frac{2}{-2} = -1 \rightarrow \boxed{A(-1, 0)}$$

$$x_2 = \frac{-3-5}{-2} = \frac{-8}{-2} = 4 \rightarrow \boxed{B(4, 0)}$$

. B(4, 0) , A(-1, 0) :

$$. 4 - (-1) \quad , x -$$

$$. -1 < x < 4 :$$

$$. x_C = 0 \quad . y - \quad C$$

$$1 y = -0^2 + 3 \cdot 0 + 4 = 4 \rightarrow \boxed{C(0, 4)}$$

. C(0, 4) :

$$BO = x_B - 0 = 4 - 0 = 4$$

$$CO = y_C - 0 = 4 - 0 = 4$$

$$S_{\triangle BOC} = \frac{BO \cdot CO}{2} = \frac{4 \cdot 4}{2} = 8$$

. " 18 1BCO1 :

. $a_4 = -2$, $a_3 = 2$, $a_2 = 6$, $a_1 = 10$,

. $a_2 - a_1 = 6 - 10 = -4$

. $d = -4$, $a_2 = 6$:

. S_{10} ,

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

$$S_{10} = \frac{10[2 \cdot 10 - 4 \cdot (10-1)]}{2}$$

$$S_{10} = \frac{10 \cdot (-16)}{2}$$

$$\boxed{S_{10} = -80}$$

. -80 :

. (-18)

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

$$-18 = 10 + (n-1) \cdot (-4)$$

$$-18 = 10 - 4n + 4$$

$$4n = 10 + 4 + 18$$

$$4n = 32 \quad /:4$$

$$\boxed{n = 8}$$

. $a_8 = 18$:

. (-36) :

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

$$-36 = 10 + (n-1) \cdot (-4)$$

$$-36 = 10 - 4n + 4$$

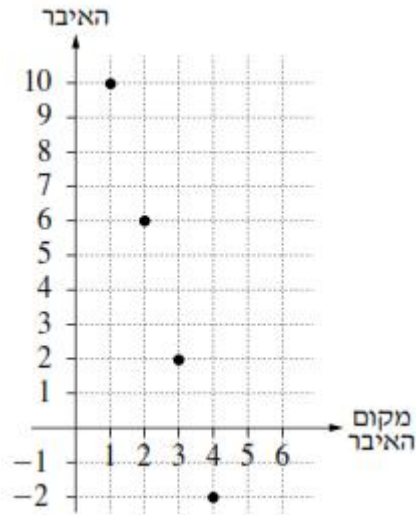
$$4n = 10 + 4 + 36$$

$$4n = 50 \quad /:4$$

$$n = 12.5$$

.(1, 2, 3...)

. (-36)



$$q = \frac{100+7}{100} = \frac{107}{100} = 1.07 : 7\%$$

M_t	M_0	q	t
?	35,000	1.07	1

$$M_1 = 35,000 \cdot 1.07^1$$

$$M_1 = 37,450$$

$$d = 2,500, a_1 = 35,000$$

$$a_2 = 35,000 + 2,500 = 37,500$$

$$a_2 = a_1 + (2-1) \cdot d = 35,000 + 1 \cdot 2,500 = 37,500 :$$

$$37,500, 37,450 :$$

M_t	M_0	q	t
?	35,000	1.07	2

$$M_2 = 35,000 \cdot 1.07^2$$

$$M_2 = 40,071.5$$

$$d = 2,500, a_1 = 35,000$$

$$a_3$$

$$a_3 = a_1 + (3-1) \cdot d$$

$$a_3 = 35,000 + 2 \cdot 2,500$$

$$a_3 = 40,000$$

$$40,000, 40,071.5 :$$

$$4$$

$$a_5, 4 \quad (1)$$

$$a_5 = a_1 + (5-1) \cdot d = 35,000 + 4 \cdot 2,500$$

$$a_5 = 45,000$$

$$45,000, 4 :$$

$$45,000 - 35,000 = 10,000 - (2)$$

$$\frac{2}{7} \cdot 100\% = 28.57\%, \quad \frac{10,000}{35,000} = \frac{2}{7}$$

$$28.57\% - 4 :$$

$$. S_{\Delta BFC} = " 45 .$$

$$S_{\Delta BFD} = \frac{FC \cdot BC}{2}$$

$$45 = \frac{6 \cdot BC}{2} \quad / \cdot 2$$

$$90 = 6 \cdot BC \quad / : 6$$

$$15 = BC$$

$$. " 15 \quad :$$

. ΔDCB - , .

$$(BD)^2 = 15^2 + 15^2$$

$$(BD)^2 = 450 \quad \sqrt{\quad}$$

$$BD = " 21.21$$

$$. " 21.21 \quad :$$

. ΔBFC - .

ΔBFC

$$\tan \sphericalangle BFC = \frac{BC}{FC}$$

$$\tan \sphericalangle BFC = \frac{15}{6}$$

$$\boxed{\sphericalangle BFC = 68.2^\circ}$$

$$\boxed{\sphericalangle BCF = 90^\circ}$$

$$\sphericalangle CBF = 180^\circ - 68.2^\circ - 90^\circ$$

$$\boxed{\sphericalangle CBF = 21.8^\circ}$$

$$. \sphericalangle CBF = 21.8^\circ , \sphericalangle BCF = 90^\circ , \sphericalangle BFC = 68.2^\circ :$$

. ΔBFD .

$$. DF = DC - FC = 15 - 6 = " 9$$

$$. S_{\Delta BFD} = \frac{DF \cdot BC}{2} = \frac{9 \cdot 15}{2} = " 67.5$$

$$. " 67.5 \quad \Delta BFD \quad :$$

35802

17

.0.6

,0.3

. $1 - 0.3 - 0.6 = 0.1$:

.0.1

:

. 1800

,

. $0.3 \cdot 1800 = 540$

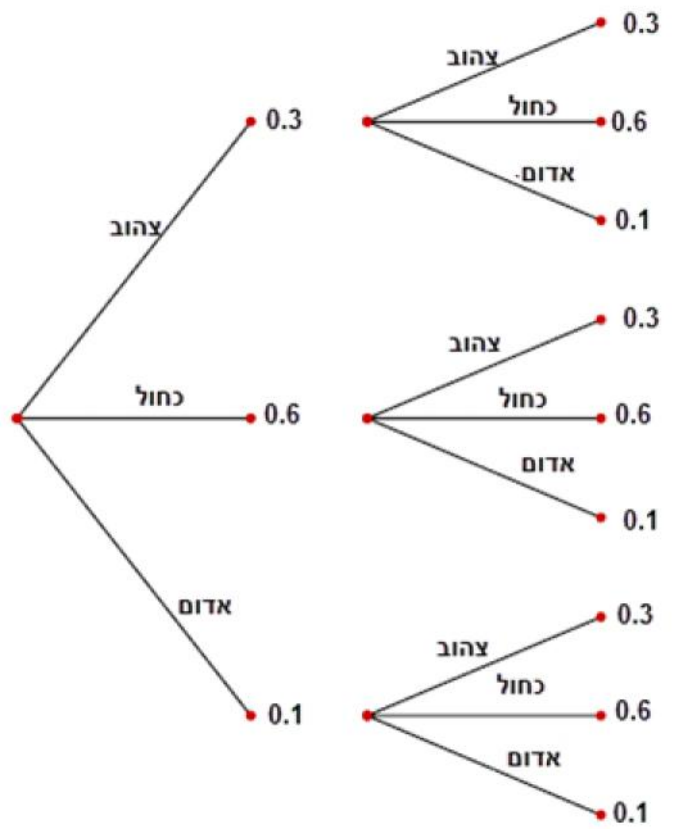
. $0.6 \cdot 1800 = 1080$

. $0.1 \cdot 1800 = 180$

. 180 ,

1080 ,

540 :



$P = 0.3 \cdot 0.3 = 0.09$:

. 0.09 :

:

$P = 0.6 \cdot 0.1 = 0.06$

. 0.06 :

:

$P = 0.6 \cdot 0.1 + 0.1 \cdot 0.6 = 0.12$

. 0.12 :

(1).

, 220 - 7% , 280 - 7% _____

$$\frac{220+280}{2} = \frac{500}{2} = 250$$

. 250 : (2)

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

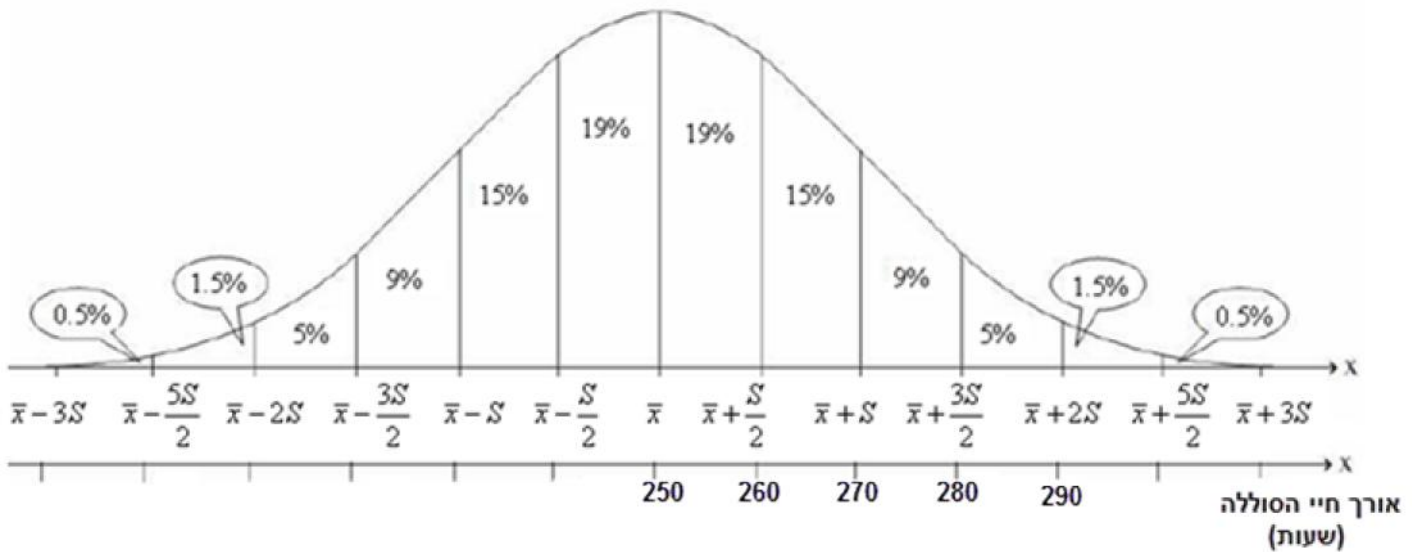
. 250 $\frac{3}{2}$ 220 ,

. 250 - 220 = 30 : $\frac{3}{2}$

. 30 : $\frac{3}{2} = 20$

. 20 :

. $\frac{S}{2} = \frac{20}{2} = 10$, .



. 0.5% + 1.5% = 2% , 290 - , . 2% :

2000

290 -

2% -

$$2\% = \frac{2}{100} = 0.02$$

$$0.02 \cdot 2000 = 40$$

290 -

40 - :