

$$y = 4x - 13$$

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

$$y = 0$$

x -

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

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

$$x_1 = 3 \rightarrow \boxed{(3, 0)}$$

$$x_2 = 1 \rightarrow \boxed{(1, 0)}$$

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

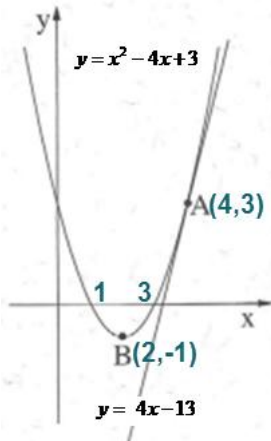
$$x = -\frac{b}{2a}$$

x -

$$B(2, -1)$$

$$y_B = 2^2 - 4 \cdot 2 + 3 = -1 \quad x_B = \frac{-(-4)}{2 \cdot 1} = 2$$

$B(2, -1)$:



$$\begin{cases} y = x^2 - 4x + 3 \\ y = 4x - 13 \end{cases}$$

$$x^2 - 4x + 3 = 4x - 13$$

$$x^2 - 8x + 16 = 0$$

$$x_{1,2} = \frac{8 \pm 0}{2}$$

$$x = 4 \rightarrow y = 4 \cdot 4 - 13 = 3 \rightarrow \boxed{A(4, 3)}$$

$A(4, 3)$:

$$y = 4x - 13$$

$x = 2$

$$x = 2 \rightarrow y = 4 \cdot 2 - 13 = -5 \rightarrow \boxed{(2, -5)}$$

$(2, -5)$:

$$a_1 = 5$$

$$a_4 = 5 + 3 \cdot 10 = 50$$

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

$$a_4 = a_1 + (4-1) \cdot d$$

$$50 = 5 + 3 \cdot d$$

$$45 = 3d \quad /:3$$

$$\boxed{d = 15}$$

$$15 \quad :$$

$$S_4$$

$$S_n = \frac{n(a_1 + a_n)}{2}$$

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

$$S_4 = \frac{4(5+50)}{2}$$

$$S_4 = 2 \cdot 55$$

$$\boxed{S_4 = 110}$$

$$S_4 = \frac{4[2 \cdot 5 + 15 \cdot (4-1)]}{2}$$

$$S_4 = 2 \cdot (10 + 45)$$

$$S_4 = 2 \cdot 55$$

$$\boxed{S_4 = 110}$$

5, 20, 35, 50 :

$$5 + 20 + 35 + 50 = 110 :$$

$$4 \quad 110 \quad :$$

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

.t .q ()
 . t - M_t , - M₀
 $q = \frac{100+P}{100}$: ,() P

. 1.2% -

:

$$q = \frac{100+1.2}{100} = \frac{101.2}{100} = 1.012$$

. 26
 . 20 ,1/1/2020 -

M_t	M_0	q	t
?	26	1.012	20

$$M_{20} = 26 \cdot 1.012^{20}$$

$$\boxed{M_{20} = 33.01}$$

. 33.01 - 1/1/2020 - :

. 26
 .1/1/2000 10 1/1/1990 -

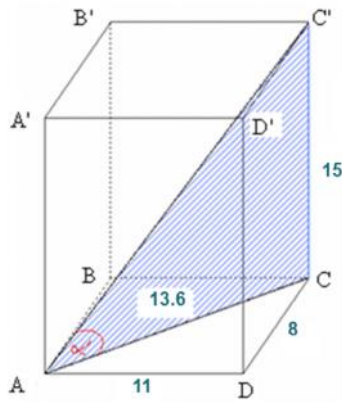
M_t	M_0	q	t
26	?	1.012	10

$$26 = M_0 \cdot 1.012^{10}$$

$$\frac{26}{1.012^{10}} = M_0$$

$$\boxed{M_0 = 23.08}$$

. 23.08 - 1/1/1990 - :



ABCD

: $\triangle ACD$ -

$$(AC)^2 = (AD)^2 + (DC)^2$$

$$(AC)^2 = 11^2 + 8^2$$

$$AC = \sqrt{185}$$

$$AC = 13.6 \text{ cm}$$

. $AC = 13.6$

ABCD

AC'

$C'AC$

, $C'AC$

. $C'CA = 90^\circ$

$\triangle C'AC$

$$\tan r = \frac{15}{13.6}$$

$$\tan r = 1.1029$$

$$r = 47.8^\circ$$

. 47.8°

. $M = p \cdot h$:

. $2 \cdot 11 + 2 \cdot 8 = 38$:

p

. 15 :

h

$$M = 38 \cdot 15 = 570 \text{ cm}^2$$

. 570

$$.1 - \frac{1}{7} = \frac{6}{7} \qquad \frac{1}{7}$$

$$.1 - \frac{1}{6} = \frac{5}{6} \qquad \frac{1}{6}$$

$$.1 - \frac{1}{15} = \frac{14}{15} \qquad \frac{1}{15}$$

$$P = \frac{1}{7} \cdot \frac{1}{6} \cdot \frac{1}{15} = \frac{1}{630} \quad :$$

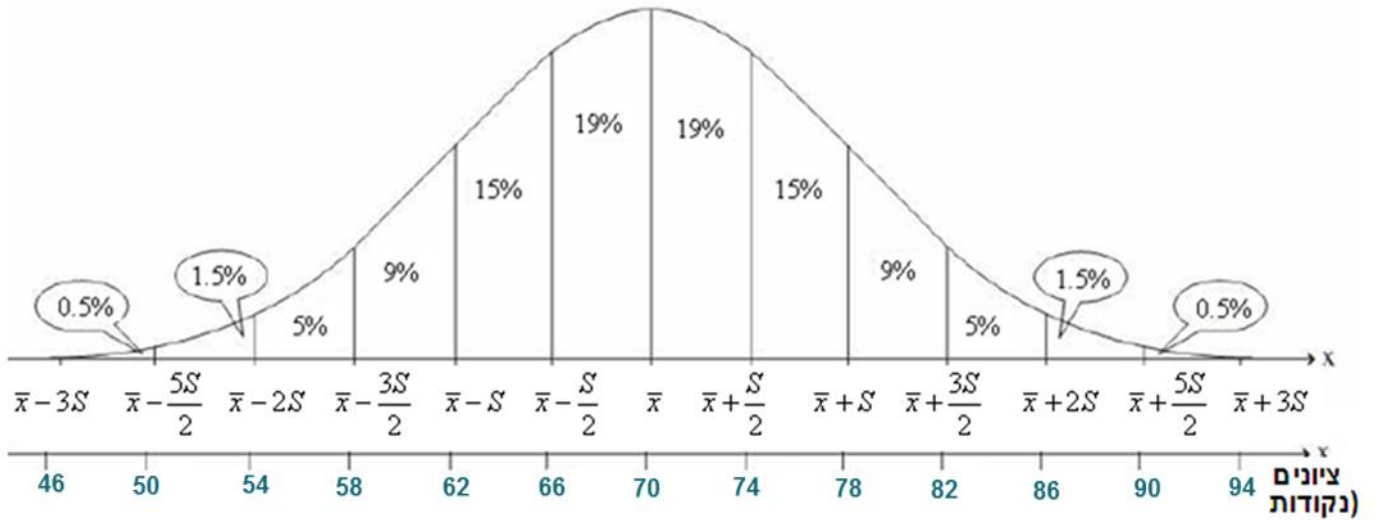
$$\cdot \frac{1}{630} \quad :$$

$$P = \frac{1}{7} \cdot \frac{5}{6} \cdot \frac{1}{15} = \frac{1}{126} \quad :$$

$$\cdot \frac{1}{126} \quad :$$

$\bar{x} = 70$ $s = 8$

$\frac{8}{2} = 4$ 8



.78

20% -

,9% + 5% + 1.5% + 0.5% = 16% :

:

. 58 -

378 (1) .

.58 -

7%

,0.5% + 1.5% + 5% = 7% :

.58 -

7% :

$\frac{7}{100} = 0.07$

,58 -

7% (2)

.378 (n)

(0.07)

$0.07 \cdot n = 378 \quad /: 0.07$

$n = 5400$

5,400 -

: