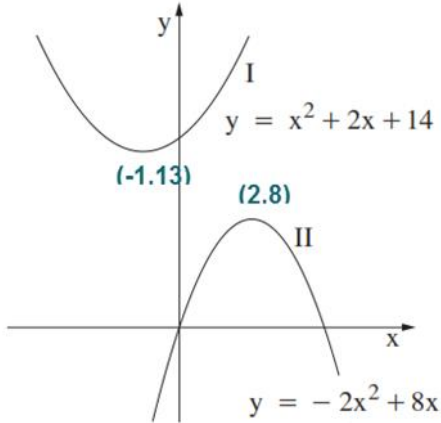


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$$a = 1 > 0, \text{ I}$$

$$y = x^2 + 2x + 14$$

$$a = -2 < 0, \text{ II}$$

$$y = -2x^2 + 8x$$

, I

$$y = x^2 + 2x + 14 \quad :$$

. II

$$y = -2x^2 + 8x$$

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

$$: y = x^2 + 2x + 14 \quad - \text{ I}$$

$$x_k = -\frac{2}{2 \cdot 1} = -1 \rightarrow y_k = y = (-1)^2 + 2 \cdot (-1) + 14 = 13 \rightarrow \boxed{(-1, 13)}$$

$$: y = -2x^2 + 8x \quad - \text{ II}$$

$$x_k = -\frac{8}{2 \cdot (-2)} = 2 \rightarrow y_k = y = -2 \cdot (2)^2 + 8 \cdot 2 = 8 \rightarrow \boxed{(2, 8)}$$

.(2, 8) II

, (-1, 13) I

:

. 8 II

13 I

-

780

30

$$780 : 30 = 26$$

26

:

+2

20

2

$$d = 2 \quad a_1 = 20 :$$

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

$$780 = \frac{n[2 \cdot 20 + 2 \cdot (n-1)]}{2} \quad / \cdot 2$$

$$1560 = n[40 + 2 \cdot (n-1)] \quad / \cdot 2$$

$$1560 = n(40 + 2n - 2)$$

$$1560 = n(38 + 2n)$$

$$1560 = 38n + 2n^2$$

$$0 = 2n^2 + 38n - 1560$$

$$n_{1,2} = \frac{-38 \pm 118}{2 \cdot 2}$$

$$n_1 = \frac{-38 + 118}{4} = \frac{80}{4} = 20$$

$$n_2 = \frac{-38 - 118}{4} = \frac{-156}{4} = -39 \quad \leftarrow n > 0$$

20

:

26

20

6

:

$$M_t = M_0 \cdot q^t \quad (1)$$

$$78,732 = 120,000 \cdot q^4 \quad (2)$$

M_t	M_0	q	t
78,732	120,000	?	4

$$78,732 = 120,000 \cdot q^4 \quad / : 120,000$$

$$\frac{78,732}{120,000} = q^4$$

$$0.6561 = q^4$$

$$q = \sqrt[4]{0.6561}$$

$$q = 0.9$$

$$0.9 = \frac{100 - P}{100} \quad / \cdot 100$$

$$\Leftrightarrow 90 = 100 - P$$

$$\Leftrightarrow P = 10\%$$

. 10% -

6

M_t	M_0	q	t
?	120,000	0.9	6

$$M_6 = 120,000 \cdot 0.9^6$$

$$M_6 = 63,773$$

. 63,773

. DE .

 $\triangle ADE$

$$\sin 70^\circ = \frac{DE}{6}$$

$$6 \sin 70^\circ = DE$$

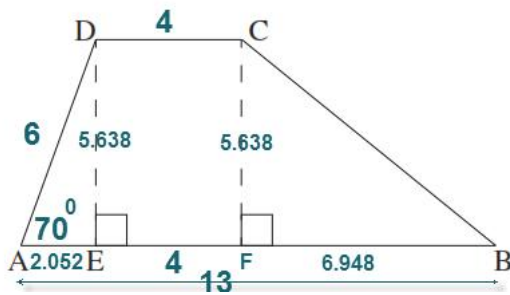
$$\boxed{DE = 5.638 \text{ cm}}$$

. " 5.638 :

$$S_{ABCD} = \frac{(AB + DC) \cdot DE}{2} = \frac{(13 + 4) \cdot 5.638}{2} = 47.92 \text{ cm}^2 :$$

. " 47.92 :

. AE .

 $\triangle ADE$

$$(AD)^2 = (AE)^2 + (DE)^2$$

$$6^2 = (AE)^2 + 5.638^2$$

$$4.213 = (AE)^2$$

$$\boxed{AE = 2.052}$$

. AE = " 2.052 :

. $\sphericalangle CBA$.

$$, CF = DE = 5.638 \text{ cm}$$

$$, DCFE , EF = DC = 4 \text{ cm}$$

$$. FB = 13 - 4 - 2.052 = 6.948 \text{ cm}$$

 $\triangle CBF$

$$\tan \sphericalangle CBA = \frac{CF}{FB}$$

$$\tan \sphericalangle CBA = \frac{5.638}{6.948}$$

$$\boxed{\sphericalangle CBA = 30.06^\circ}$$

. $\sphericalangle CBA = 30.06^\circ$:

.()

,

. 90% = 0.9

. P = 0.9 · 0.9 = 0.81 :

. 0.81

. P = 0.1 · 0.1 = 0.01

, 1 - 0.9 = 0.1

. 1 - 0.01 = 0.99

. 0.99

. 0.81 ,

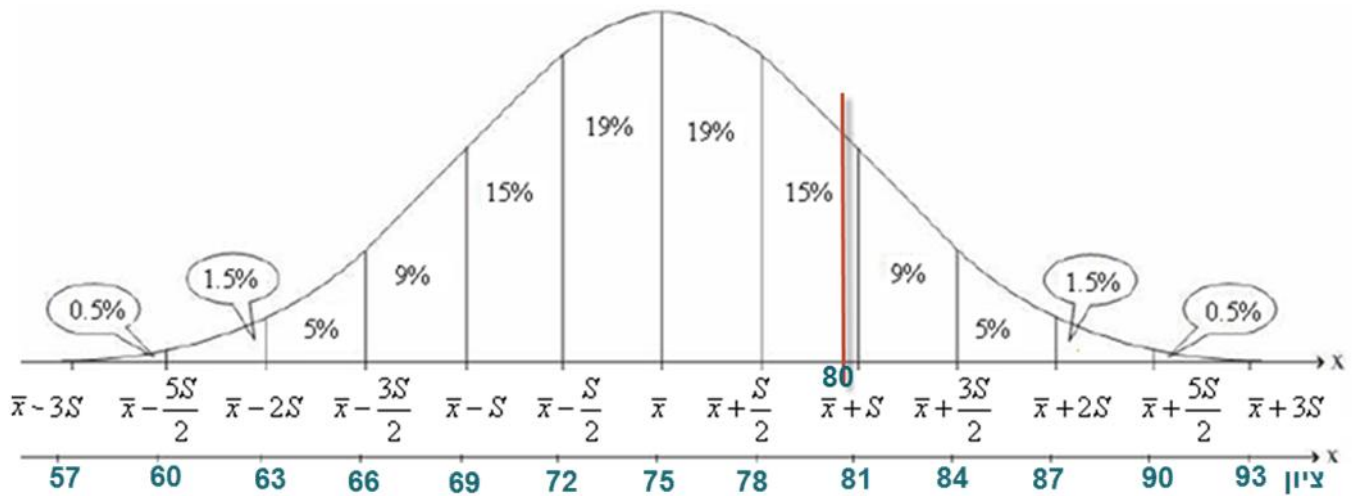
. 1 - 0.81 = 0.19

. 0.19

$\bar{x} = 75$ $s = 6$:

$\frac{6}{2} = 3$

6

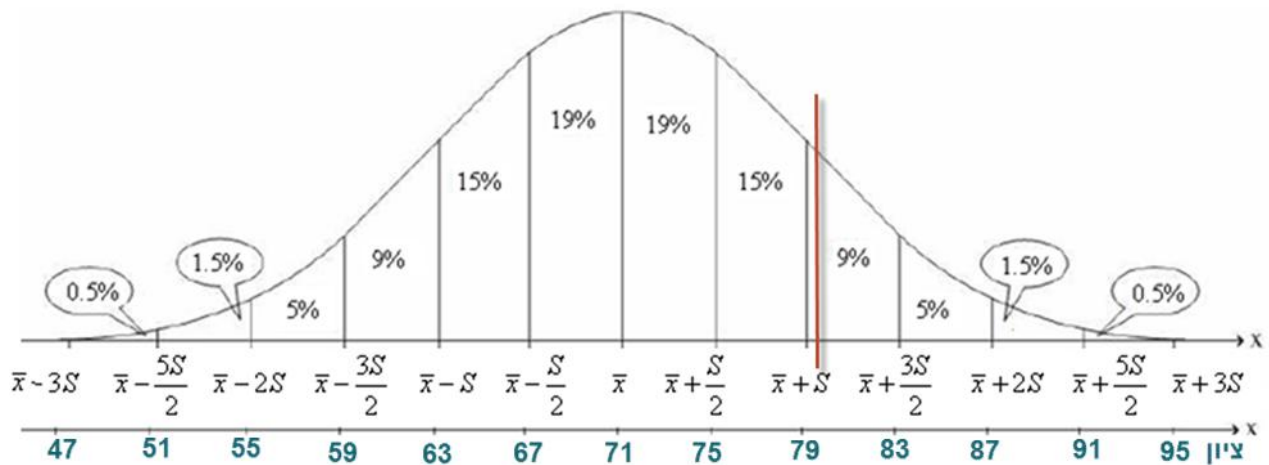


$0.5\% + 1.5\% + 5\% + 9\% = 16\%$ - _____

$\bar{x} = 71$ $s = 8$:

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

8



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

0.5% + 1.5% = 2% :

, 87

: