

$$\begin{array}{l}
 \cdot g(x) = -x + 1 \qquad \qquad \qquad f(x) = x^2 - 6x + 5 \\
 \cdot \text{I} \qquad \qquad \qquad , \qquad \qquad \qquad , \qquad \qquad \qquad f(x) = x^2 - 6x + 5 \\
 \qquad \qquad \qquad \cdot \text{II} \qquad \qquad \qquad , \qquad \qquad \qquad , \qquad \qquad \qquad g(x) = -x + 1 \\
 \qquad \qquad \qquad \cdot \text{II} \qquad - g(x) = -x + 1 , \text{I} \qquad - f(x) = x^2 - 6x + 5 :
 \end{array}$$

:

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

$$x^2 - 6x + 5 + x - 1 = 0$$

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

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

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

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

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

• (1, 0) , (4, -3):

$$\cdot x_K = -\frac{b}{2a}$$

x -

• (3, -4)

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

• (3, -4)

:

• 3 -

-x

• x < 3 :

$$, q = \frac{1}{2}$$

.2

$$. a_6 = 200 : , 200$$

$$: a_n = a_1 q^{n-1} :$$

$$a_1 q^{6-1} = 200$$

$$a_1 \cdot \left(\frac{1}{2}\right)^5 = 200$$

$$a_1 \cdot \left(\frac{1}{32}\right) = 200 \quad / : \left(\frac{1}{32}\right)$$

$$a_1 = \frac{200}{\left(\frac{1}{32}\right)}$$

$$\boxed{a_1 = 6,400}$$

. " 6,400 "

1?

.  $S_8$ 

$$, S_n = \frac{a_1(q^n - 1)}{q - 1}$$

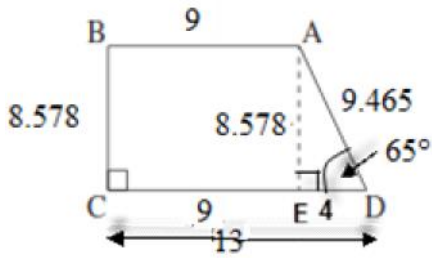
$$. a_1 = 6,400, \quad q = \frac{1}{2}, \quad n = 8$$

$$S_8 = \frac{6,400 \cdot \left(\left(\frac{1}{2}\right)^8 - 1\right)}{\frac{1}{2} - 1}$$

$$S_8 = \frac{-6375}{-\frac{1}{2}}$$

$$\boxed{S_8 = 12,750}$$

. " 12,750 :



AE  
 DE = 13 - 9 = 4, CE = BA = 9 :

AE

ΔADE

$$\tan 65^\circ = \frac{AE}{DE}$$

$$\tan 65^\circ = \frac{AE}{4} \quad / \cdot 4$$

$$4 \tan 65^\circ = AE$$

AE = 8.578

8.578 :

AD

ΔADE

$$\cos 65^\circ = \frac{DE}{AD}$$

$$\cos 65^\circ = \frac{4}{AD} \quad / \cdot AD$$

$$AD \cos 65^\circ = 4 \quad / : \cos 65^\circ$$

$$AD = \frac{4}{\cos 65^\circ}$$

AD = 9.465

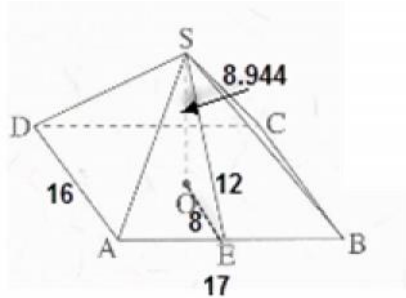
9.465 AD :

8.578 + 9 + 9.465 + 13 = 40.04 :

40.04 :

$$S_{ABCD} = \frac{(AB + DC) \cdot AE}{2} = \frac{(9 + 13) \cdot 8.578}{2} = 94.36 :$$

94.36 :



$$OE = \frac{AD}{2} = \frac{16}{2} = 8$$

,SO ,

ΔSOE

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

$$12^2 = 8^2 + (SO)^2$$

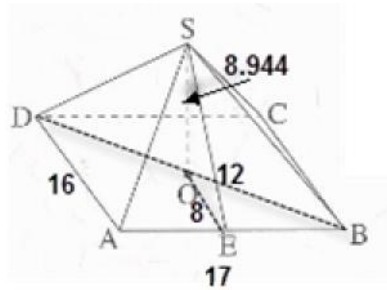
$$80 = (SO)^2$$

$$SO = 8.944$$

. " 8.944

:

,BD



ΔABD

$$(BD)^2 = (AB)^2 + (AD)^2$$

$$(BD)^2 = 17^2 + 16^2$$

$$(BD)^2 = 545$$

$$BD = \sqrt{545}$$

$$BD = 23.35$$

. " 23.35

BD

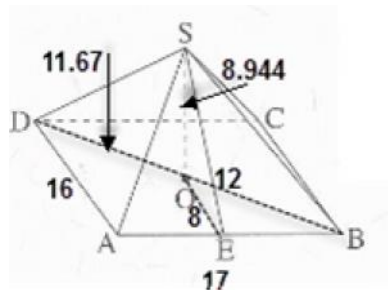
:

.DO

BD

$$DO = \frac{BD}{2} = \frac{23.35}{2} = 11.67$$

,SD



ΔSDO

$$(SD)^2 = (SO)^2 + (DO)^2$$

$$(SD)^2 = 8.944^2 + 11.67^2$$

$$(SD)^2 = 216.25$$

$$SD = \sqrt{216.25}$$

$$SD = 14.71$$

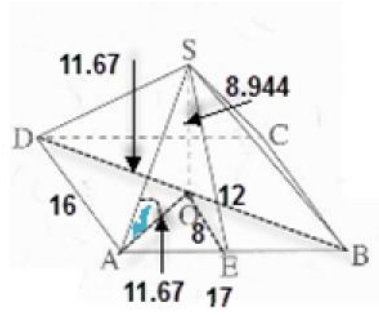
. " 14.71

:

:  $\angle SAO$  ,

O ,

$$AO = DO = 11.67$$



$\triangle SAO$

$$\tan \angle SAO = \frac{SO}{AO}$$

$$\tan \angle SAO = \frac{8.944}{11.67}$$

$$\angle SAO = 37.47^\circ$$

$\angle SAO = 37.47^\circ$  :

: " .

90	80	70	60	
1	11	$x$	4	

$$N = f_1 + f_2 + \dots + f_n :$$

$$N = 4 + x + 11 + 1$$

$$N = 16 + x$$

.75

$$\bar{x} = \frac{x_1 f_1 + x_2 f_2 + \dots + x_n f_n}{N} :$$

$$75 = \frac{60 \cdot 4 + 70 \cdot x + 80 \cdot 11 + 90 \cdot 1}{16 + x} \quad / \cdot (16 + x)$$

$$75 \cdot (16 + x) = 1210 + 70x$$

$$1200 + 75x = 1210 + 70x$$

$$5x = 10 \quad / : 5$$

$$x = \frac{10}{5}$$

$$\boxed{x = 2}$$

.  $x = 2$  :

$$. 1 + 11 + 2 + 4 = 18$$

90	80	70	60	
1	11	2	4	
18	17	6	4	

$$\frac{n+1}{2} = \frac{18+1}{2} = \frac{19}{2} = 9.5 :$$

,10 - 9 -

$$. \frac{80+80}{2} = 80 :$$

.80 :

"

. 80 , .80 :  
. 75 , , .  
. , ,  
. , :  
. :

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

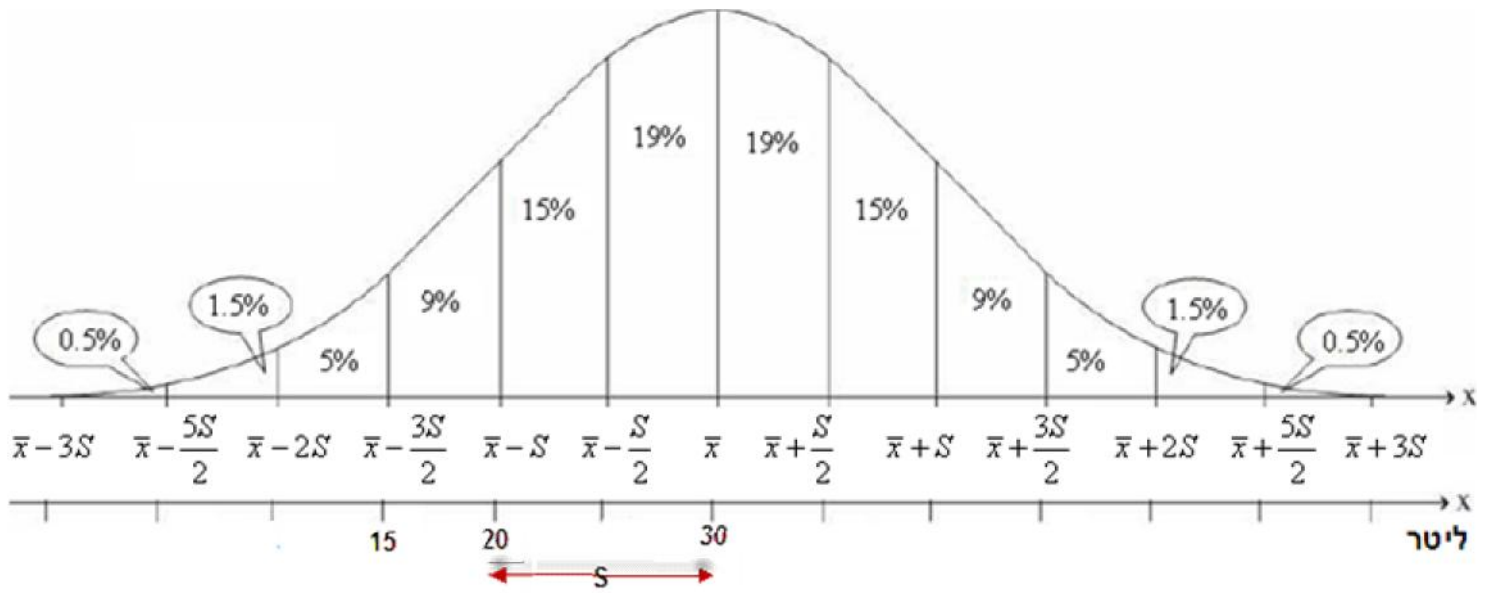
20 -

16% -

20

10

$. 20 + 10 = 30$



30

$\boxed{\bar{x} = 30} \quad \boxed{s = 10} :$

50%

.50%

30 -

$\frac{3}{2}$

15 ,  $\frac{10}{2} = 5$

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

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

15 -

93% :