

$$f(x) = (x+3)(x-5)$$

$$f(x) = x^2 - 5x + 3x - 15$$

$$f(x) = x^2 - 2x - 15$$

$$x = 0 \quad y =$$

$$y = 0^2 - 2 \cdot 0 - 15 = -15 ,$$

$$(0, -15)$$

$$, \quad , y = 0 \quad x =$$

$$0 = x^2 - 2x - 15$$

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

$$x_1 = \frac{2+8}{2} = \frac{10}{2} = 5 \quad \rightarrow (5, 0)$$

$$x_2 = \frac{2-8}{2} = \frac{-6}{2} = -3 \quad \rightarrow (-3, 0)$$

$$\cdot (-3, 0) , (5, 0) , (0, -15) :$$

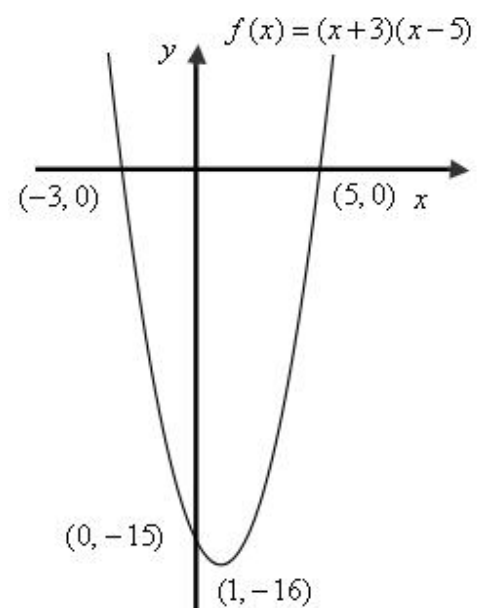
$$x = -\frac{b}{2a} :$$

$$x =$$

$$x = -\frac{-2}{2} = 1$$

$$f(1) = 1^2 - 2 \cdot 1 - 15 = -16 :$$

$$\cdot (1, -16) :$$



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

.t .q ()

. t - M_t , - M_0

$$q = \frac{100 + P}{100} : , () P$$

. 1.2% -

:

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

. 21.3

1990

. 30 , 2020

M_t	M_0	q	t
?	21.3	1.012	30

$$M_{30} = 21.3 \cdot 1.012^{30}$$

$$M_{30} = 30.46$$

. 30.46 -

2020 :

. 21.3

1990

.1990 10 ,1980

M_t	M_0	q	t
21.3	?	1.012	30

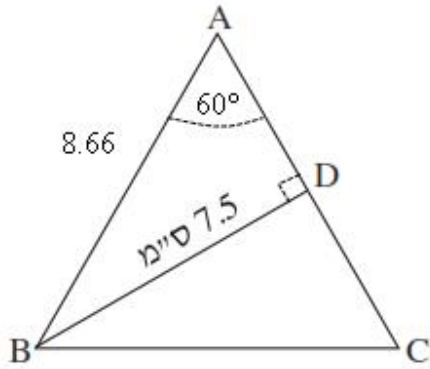
$$21.3 = M_0 \cdot 1.012^{10}$$

$$\frac{21.3}{1.012^{10}} = M_0$$

$$M_0 = 18.9$$

. 18.9 -

1980 :



$$\left(\frac{180^\circ}{3} = 60^\circ\right) \quad 60^\circ$$

ΔABD

$$\sin \sphericalangle A = \frac{AD}{AB}$$

$$\sin 60^\circ = \frac{7.5}{AB} \quad / \cdot AB$$

$$AB \sin 60^\circ = 7.5 \quad / : \sin 60^\circ$$

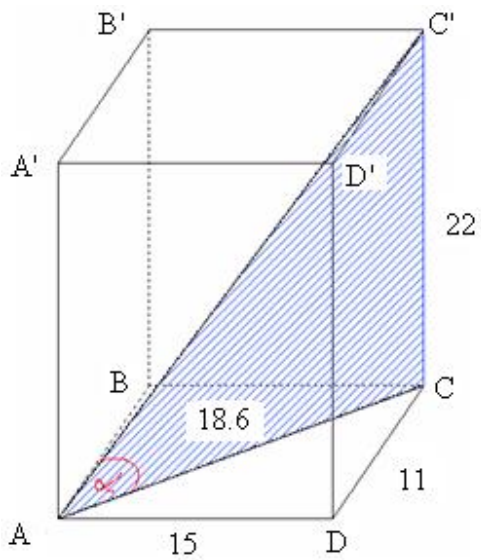
$$AB = \frac{7.5}{\sin 60^\circ}$$

$$\boxed{AB = 8.66}$$

$$8.66 \cdot 3 = 25.98$$

$$25.98$$

$$7.5$$



: $\triangle ACD$ -

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

$$(AC)^2 = 15^2 + 11^2$$

$$AC = \sqrt{346}$$

$$\boxed{AC = 18.6}$$

$$\therefore AC = 18.6$$

ABCD AC'

C'AC

, C'AC

$$\therefore \angle C'CA = 90^\circ$$

$\triangle C'AC$

$$\tan r = \frac{22}{18.6}$$

$$\tan r = 1.1828$$

$$r = 49.79^\circ$$

$$\therefore 49.79^\circ$$

: $\triangle C'AC$ -

$$(AC')^2 = (AC)^2 + (CC')^2$$

$$(AC')^2 = 18.6^2 + 22^2$$

$$AC' = \sqrt{829.96}$$

$$\boxed{AC' = 28.81}$$

$$\therefore 28.81$$

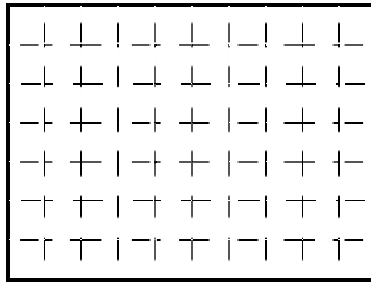
. " $3^2 = 9$

, " $21 \cdot 30 = 630$:

. $630 : 9 = 70$:

$10 \cdot 7 = 70$:

:



40	0
26	1
4	2

. 70 :

() 4 - .

$\frac{4}{70} = \frac{2}{35}$:

. $\frac{2}{35}$

:

(, ,()) 26 - .

. $\frac{26}{70} = \frac{13}{35}$:

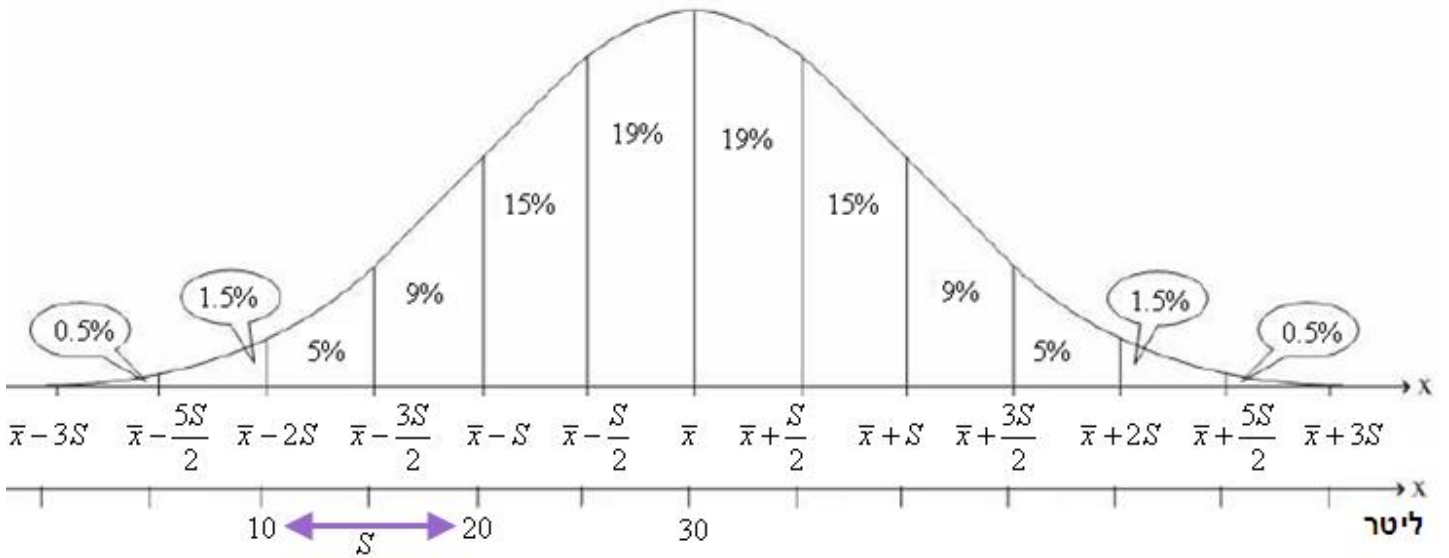
. $\frac{13}{35}$

:

35002

12

. 20 - 16% - .
 .0.5% + 1.5% + 5% + 9% = 16% ,
 . 20 ,
 . 10 - 2% -
 .0.5% + 1.5% = 2% ,
 . 10 ,
 . 20 - 10 : _____



. 10 ,

. $\bar{x} - 10 = 20 \rightarrow \bar{x} = 30$ $S = 10$ -

. 30 10 :

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

, 30 ,

.50% 30 -

. 30 - 50% :