

$$f(x) = (x-4)(x-2)$$

$$f(x) = x^2 - 4x - 2x + 8$$

$$f(x) = x^2 - 6x + 8$$

$$x = 0 \quad y =$$

$$y = 0^2 - 6 \cdot 0 + 8 = 8,$$

$$(0, 8)$$

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

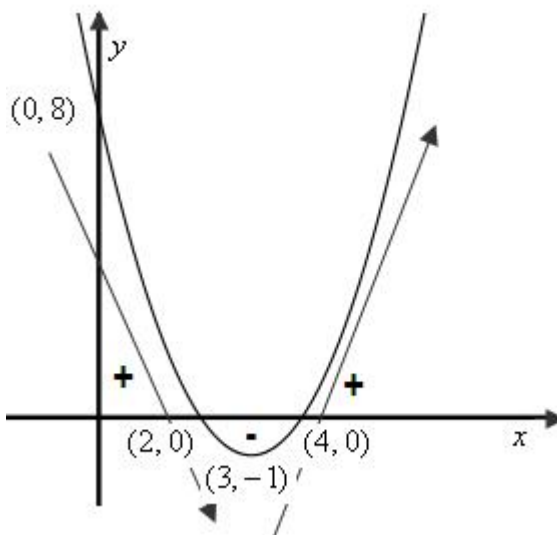
$$0 = x^2 - 6x + 8$$

$$x_{1,2} = \frac{6 \pm 2}{2}$$

$$x_1 = \frac{6+2}{2} = \frac{8}{2} = 4 \rightarrow (4, 0)$$

$$x_2 = \frac{6-2}{2} = \frac{4}{2} = 2 \rightarrow (2, 0)$$

$$\cdot (4, 0), (2, 0), (0, 8) :$$



$$\cdot x < 2 \quad x > 4$$

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

$$x =$$

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

$$\cdot (3, -1)$$

$$f(3) = 3^2 - 6 \cdot 3 + 8 = -1 :$$

$$\cdot -1$$

:

$$\cdot x > 3$$

$$f(x)$$

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

.t .q ()
 . t - M_t , - M_0
 . 50 6:00 , .
 . 30 , 3 , 9:00
 . $t = 1$,

M_t	M_0	q	t
30	50	?	1

$$30 = 50 \cdot q^1 \quad / : 50$$

$$\boxed{q = 0.6}$$

$$.t = \frac{6}{3} = 2 ,$$

6 , 12:00

M_t	M_0	q	t
?	50	0.6	2

$$M_t = 50 \cdot 0.6^2$$

$$\boxed{M_t = 18}$$

. 18 12:00 :

. 10.8 .

M_t	M_0	q	t
10.8	50	0.6	?

$$10.8 = 50 \cdot 0.6^t$$

$$t = 2 \rightarrow 50 \cdot 0.6^2 = 18 \text{ not o.k}$$

$$t = 3 \rightarrow 50 \cdot 0.6^3 = 10.8 \text{ o.k}$$

. 6:00

9

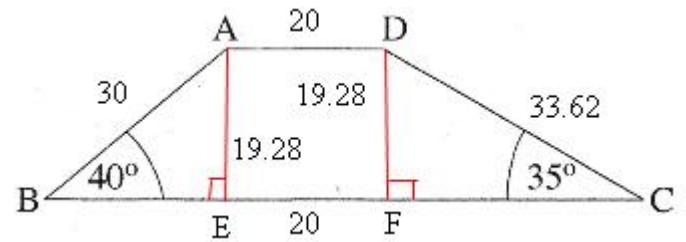
3 · 3 = 9 . 3

3 ,

. 15:00

:

, DF , AE ,

 $\triangle ABE$

$$\sin \angle ABE = \frac{AE}{AB}$$

$$\sin 40^\circ = \frac{AE}{30}$$

$$30 \sin 40^\circ = AE$$

$$AE = 19.28$$

.() DF = AE = 19.28

 $\triangle DCF$

$$\sin \angle DCF = \frac{DF}{CD}$$

$$\sin 35^\circ = \frac{19.28}{CD}$$

$$CD \sin 35^\circ = 19.28$$

$$CD = \frac{19.28}{\sin 35^\circ}$$

$$\boxed{CD = 33.62}$$

. " 33.62 CD :

. CF - BE

 $\triangle DCF$

$$\cos \angle DCF = \frac{CF}{CD}$$

$$\cos 35^\circ = \frac{CF}{33.62}$$

$$33.62 \cos 35^\circ = CF$$

$$CF = \text{" } 27.54$$

 $\triangle ABE$

$$\cos \angle ABE = \frac{BE}{AB}$$

$$\cos 40^\circ = \frac{BE}{30}$$

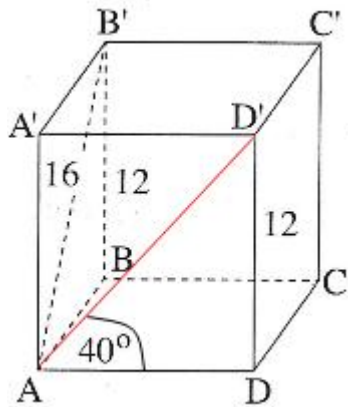
$$30 \cos 40^\circ = BE$$

$$BE = \text{" } 22.98$$

.() EF = AD = " 20

$$BC = BE + EF + CF = 22.98 + 20 + 27.54 = \text{" } 70.52$$

. " 70.52 BC :



: $\triangle ABB'$ -

$$(AB')^2 = (AB)^2 + (BB')^2$$

$$16^2 = (AB)^2 + 12^2$$

$$256 = (AB)^2 + 144$$

$$AB = \sqrt{112}$$

$$\boxed{AB = 10.58}$$

$$BB' = DD' = AA' = 12 :$$

AB

$$" 10.58 \quad AB \quad :$$

ABCD

ADD'A'

D'AD

, D'AD

$$. ADD' = 90^\circ$$

$\triangle D'AD$

$$\tan \angle D'AD = \frac{D'D}{AD}$$

$$\tan 40^\circ = \frac{12}{AD}$$

$$AD \tan 40^\circ = 12$$

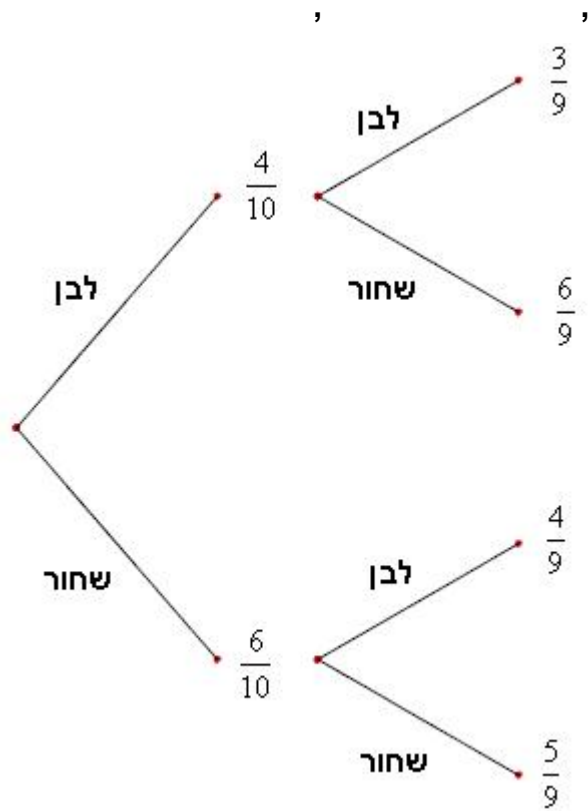
$$AD = \frac{12}{\tan 40^\circ}$$

$$AD = " 14.3$$

:()

$$V = 14.3 \cdot 10.58 \cdot 12 = " 1815.7$$

$$. " 1815.7 \quad :$$



$$P = \frac{4}{10} \cdot \frac{3}{9} = \frac{2}{15} \quad (,)$$

$$\cdot \frac{2}{15} :$$

$$P = \frac{4}{10} \cdot \frac{3}{9} + \frac{6}{10} \cdot \frac{5}{9} = \frac{7}{15} \quad (,) , (,)$$

$$\cdot \frac{7}{15} :$$

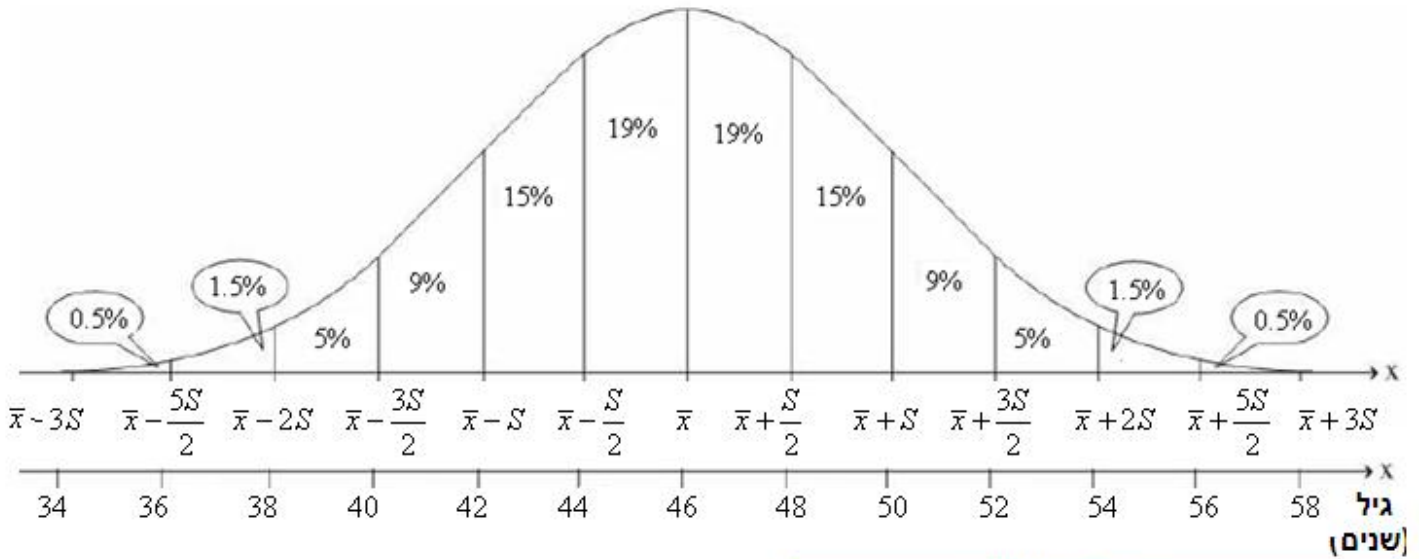
$$P = \frac{6}{10} \cdot \frac{4}{9} = \frac{4}{15} \quad (,)$$

$$\cdot \frac{4}{15} :$$

$\bar{x} = 46$ $s = 4$:

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

4



בדיקות רגילות

בדיקות מעמיקות

.48

(/)

$15\% + 9\% + 5\% + 1.5\% + 0.5\% = 31\%$

$\frac{1}{2}$ 48

31% :

.52

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

$\frac{3}{2}$ 52

7% :

52 48

$\frac{24}{100} = 0.24$

$15\% + 9\% = 24\%$

(n = 3,400)

(0.24)

3,400

$0.24 \cdot 3,400 = 816$

816 - :