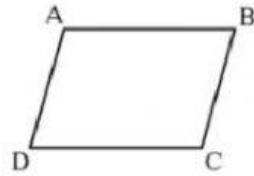


מקבילית- מתוך הספר של אתי עוזרי

מקבילית



מרובע שבו כל זוג צלעות נגדיות מקבילות:

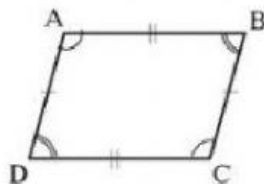
$$AB \parallel DC$$

$$BC \parallel AD$$

תכונות המקבילית

⊙ במקבילית כל שתי צלעות נגדיות שוות זו לזו:

$$AD=BC, AB=DC$$



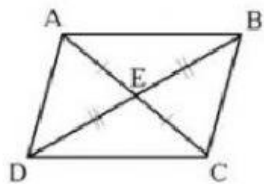
⊙ במקבילית כל שתי זוויות נגדיות שוות זו לזו:

$$\angle A = \angle C, \angle B = \angle D$$

⊙ במקבילית סכומן של כל שתי זוויות סמוכות הוא 180° :

$$\angle B + \angle C = 180^\circ, \angle A + \angle B = 180^\circ$$

$$\angle D + \angle A = 180^\circ, \angle C + \angle D = 180^\circ$$



⊙ במקבילית האלכסונים חוצים זה את זה:

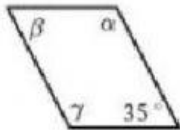
$$AE=EC, BE=ED$$

תרגילים

(התשובות לתרגילים בפרק זה – בעמ' 268-269)

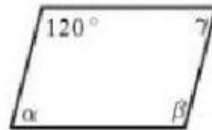
1. מצאו את α , β , γ במקבילות הבאות:

ג.



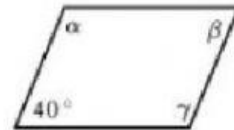
$$\alpha = \quad \beta = \quad \gamma =$$

ב.



$$\alpha = \quad \beta = \quad \gamma =$$

א.



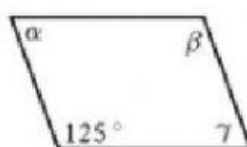
$$\alpha = \quad \beta = \quad \gamma =$$

ו.



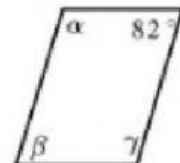
$$\alpha = \quad \beta = \quad \gamma =$$

ה.



$$\alpha = \quad \beta = \quad \gamma =$$

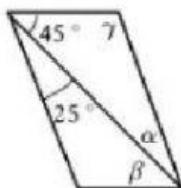
ד.



$$\alpha = \quad \beta = \quad \gamma =$$

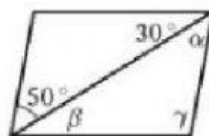
2. מצאו את α , β , γ , δ במקבילות הבאות:

ג.



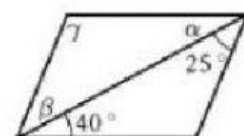
$$\alpha = \quad \beta = \quad \gamma =$$

ב.



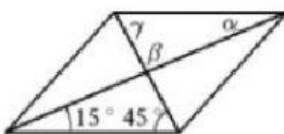
$$\alpha = \quad \beta = \quad \gamma =$$

א.



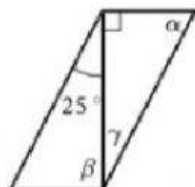
$$\alpha = \quad \beta = \quad \gamma =$$

ו.



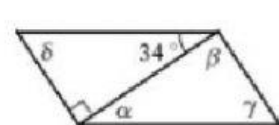
$$\alpha = \quad \beta = \quad \gamma =$$

ה.



$$\alpha = \quad \beta = \quad \gamma =$$

ד.

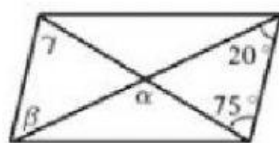


$$\alpha = \quad \beta = \quad \gamma = \quad \delta =$$



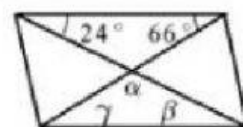
ט.

$$\alpha = \quad \beta = \quad \gamma =$$



ח.

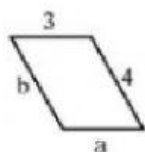
$$\alpha = \quad \beta = \quad \gamma =$$



ז.

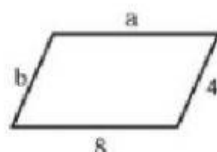
$$\alpha = \quad \beta = \quad \gamma =$$

4. מצאו את הצלעות a ו-b במקביליות הבאות:



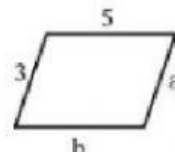
א.

$$a = \quad , b = \quad$$



ב.

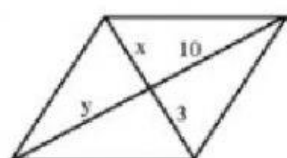
$$a = \quad , b = \quad$$



א.

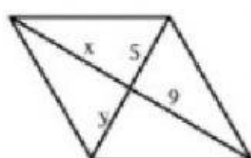
$$a = \quad , b = \quad$$

6. מצאו את x ו-y במקביליות הבאות:



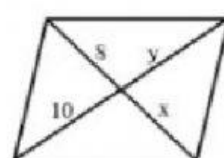
א.

$$x = \quad y =$$



ב.

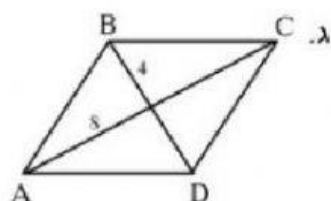
$$x = \quad y =$$



א.

$$x = \quad y =$$

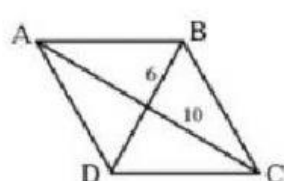
7. מצאו את אורכי האלכסונים במקביליות הבאות:



א.

$$BD =$$

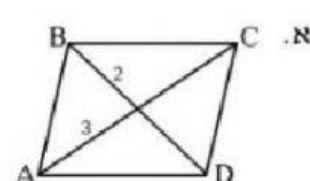
$$AC =$$



ב.

$$BD =$$

$$AC =$$



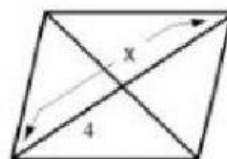
א.

$$BD =$$

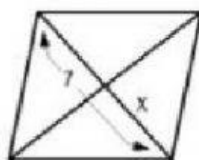
$$AC =$$

8. מצאו את x במקביליות הבאות:

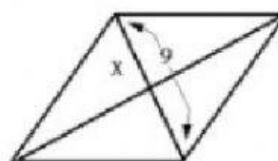
א.



ב.



ד.



ה.

