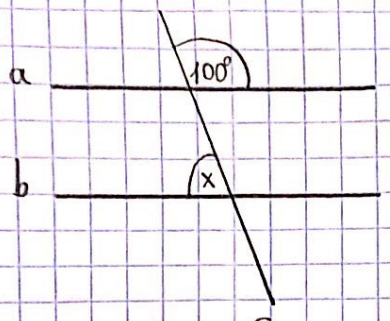
1) נתון: $a \parallel b$

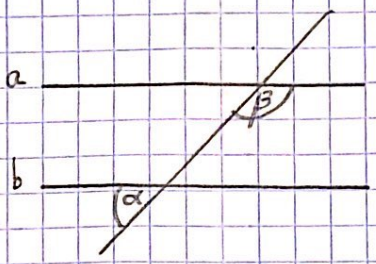
$x = ?$



(1) 80° (2) 100° (3) 120° (4) לא ניתן לדעת

2) נתון: $a \parallel b$

$\alpha + \beta = ?$

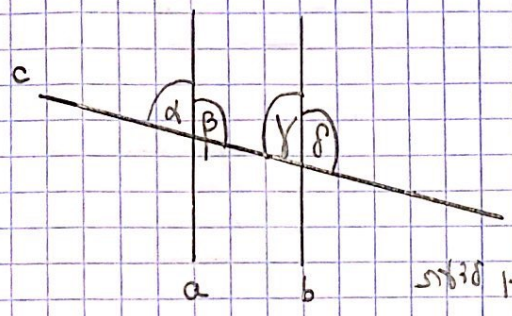


(1) 100° (2) 180° (3) 80° (4) לא ניתן לדעת

3) נתון: $a \parallel b$

$\alpha + \delta = \beta + 80^\circ$

$\gamma = ?$

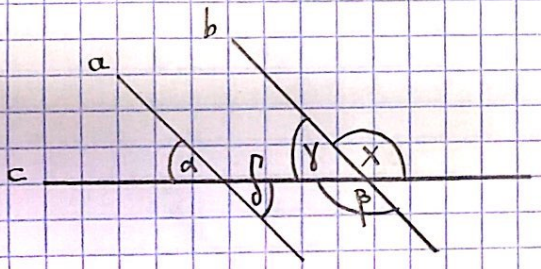


(1) 60° (2) 100° (3) 80° (4) לא ניתן לדעת

4) נתון: $a \parallel b$

$\alpha + \gamma + \delta = \beta$

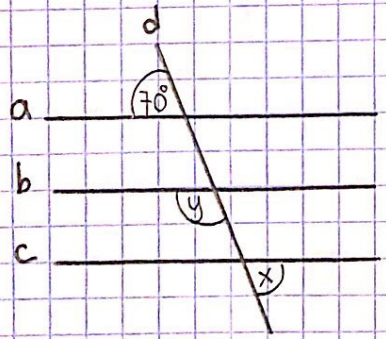
$x = ?$



(1) 135° (2) 120° (3) 105° (4) לא ניתן לדעת

5) נתון: $a \parallel b \parallel c$

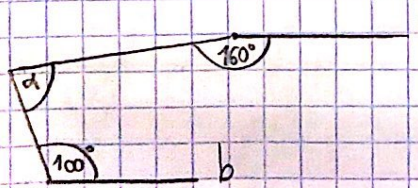
$y + x = ?$



(1) 150° (2) 180° (3) 120° (4) לא ניתן לדעת

6) נתון: $a \parallel b$

$\alpha = ?$



(1) 80° (2) 20° (3) 100° (4) לא ניתן לדעת

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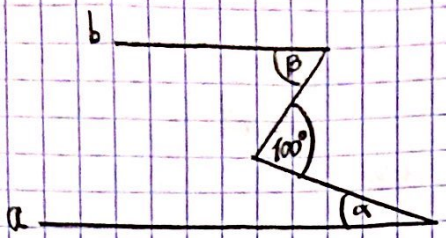
7) נתון: $a \parallel b$

$\alpha + \beta = ?$

(1) $100°$ (2) $90°$ (3) $110°$ (4) לא ניתן לקבוע



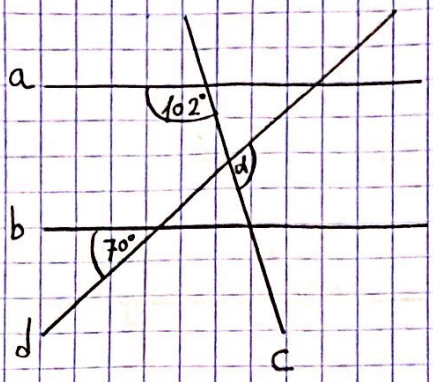
8) נתון: $a \parallel b$. $\alpha = ?$

(1) $102°$

(2) $148°$

(3) $70°$

(4) לא ניתן לקבוע



9) נתון: $a \parallel b \parallel c$

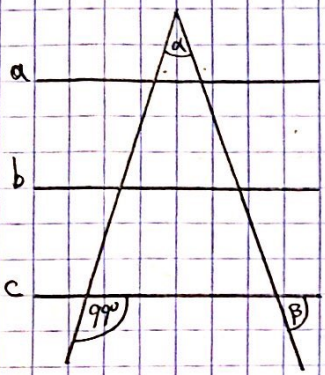
מי מהבאים נכון בהכרח?

(1) $\alpha + \beta = 180°$

(2) α שלוש מ-β קטנה מ-$90°$

(3) β שלוש מ-α קטנה מ-$90°$

(4) קשה לקבוע את היחס בין β לבין α



10) נתון: $a \parallel b$

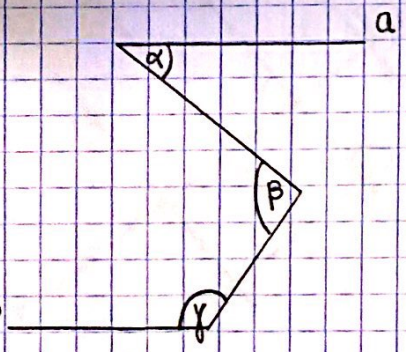
מי מהבאים נכון בהכרח?

(1) $\gamma + \beta = \alpha + 180°$

(2) $\gamma + \alpha = \beta + 180°$

(3) $\beta + \alpha = \gamma + 180°$

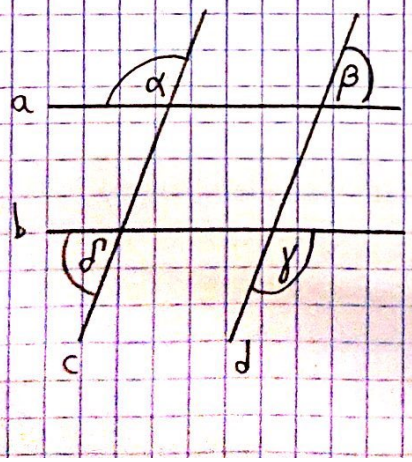
(4) כל השוויונות (1), (2) ו-(3) נכונים בהכרח



11) נתון: $a \parallel b$, $c \parallel d$

$\alpha + \beta + \gamma + \delta = ?$

(1) $180°$ (2) $360°$ (3) $270°$ (4) לא ניתן לקבוע



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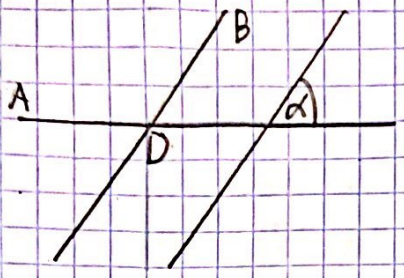
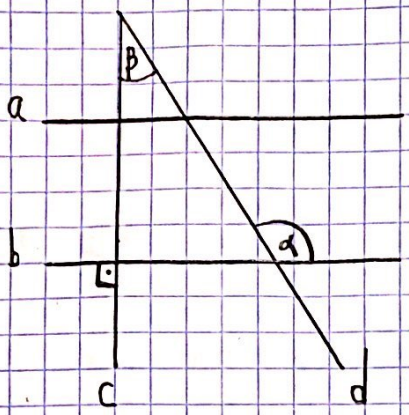
12) נתון: $\alpha = 2$

$\sphericalangle ADB = 129^\circ$.



לא ניתן לקבוע (4) 90° (3) 120° (2) 60° (1)

13) נתון: $a \parallel b$

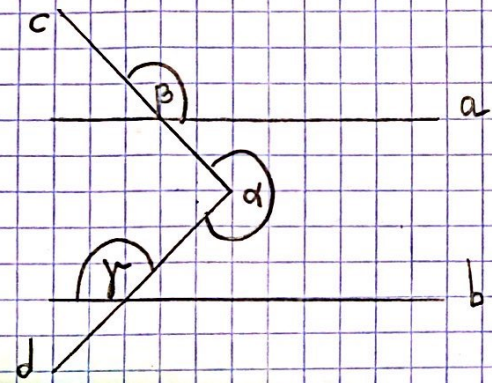


איזו טענה נכונה תמיד?

(1) $45^\circ = \frac{\alpha+\beta}{2}$ (2) $45^\circ = \frac{\alpha-\beta}{3}$

(3) $60^\circ = \frac{\alpha-\beta}{2}$ (4) $30^\circ = \frac{\alpha-\beta}{3}$

14) נתון: $a \parallel b$ איזו טענה נכונה תמיד?

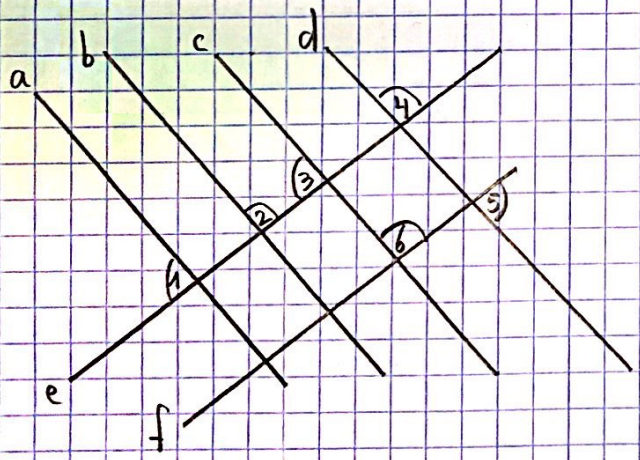


(1) $\beta = \alpha + \gamma$ (2) $\alpha = \beta + \gamma$

(3) $\gamma = \alpha + \beta$ (4) $\alpha + \beta + \gamma = 360^\circ$

15) נתון: $a \parallel b \parallel c \parallel d$

$e \parallel f$



$\sphericalangle 1 + \sphericalangle 2 + \sphericalangle 3 + \sphericalangle 4 + \sphericalangle 5 + \sphericalangle 6 = ?$

(1) 540°

(2) 720°

(3) 360°

(4) 1080°

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תשובות לשאלות בגאומטרייה

2.1 1) 2 2) 4 3) 1 4) 4 5) 3 6) 1 7) 2 8) 2 9) 3 10) 4 11) 1 12) 4
13) 3 14) 3 15) 1 16) 4 17) 1

2.2.1 1) 3 2) 4 3) 4 4) 3 5) 4

2.2.2 1) 3 2) 2 3) 1 4) 4 5) 4 6) 4 7) 1 8) 2 9) 4 10) 1

2.2.3 1) 3 2) 4 3) 2 4) 4 5) 1 6) 4 7) 1 8) 4 9) 3 10) 2

2.2.4 1) 1 2) 2 3) 3 4) 1 5) 2 6) 3 7) 1 8) 2 9) 3 10) 1 11) 2 12) 4
13) 4 14) 2 15) 1

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