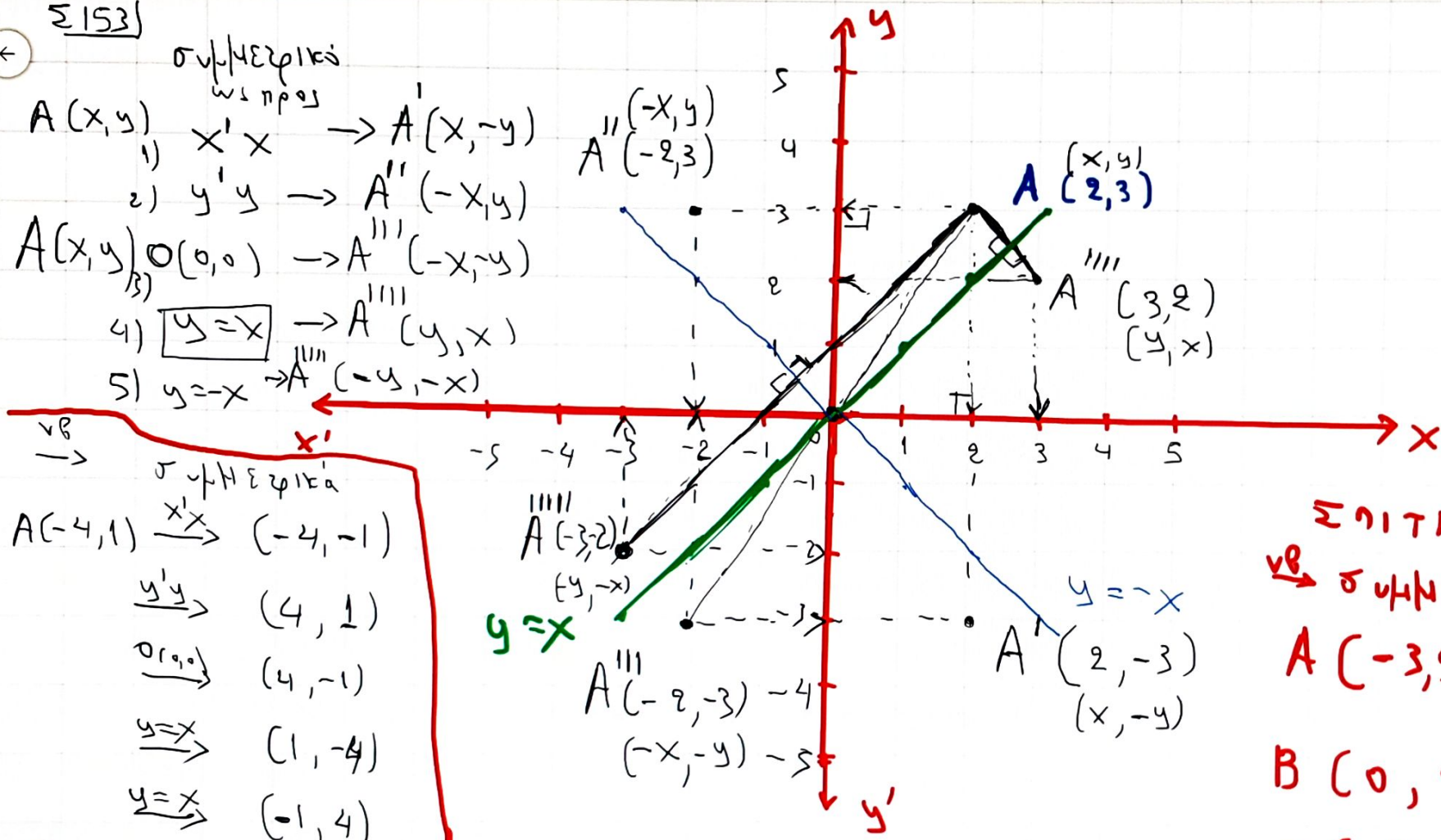
Σ153)

συμμετρικά ως προς

A(x,y)
1) x'x → A'(x,−y)
2) y'y → A''(−x,y)
3) O(0,0) → A'''(−x,−y)
4) y=x → A''''(y,x)
5) y=−x → A'''''(−y,−x)



να συμμετρικά ως προς

A(−4,1) x'x → (−4,−1)
y'y → (4,1)
O(0,0) → (4,−1)
y=x → (1,−4)
y=−x → (−1,4)

Σπίτι

να συμμετρικά σε ίδιο πρόγραμμα τις πλευρές

A(−3,5)

B(0,2)

Γ(−3,0)

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ΠΜ

Σ154

$$AB = \sqrt{\Delta x^2 + \Delta \psi^2} =$$

$A(x_A, \psi_A)$

$B(x_B, \psi_B)$

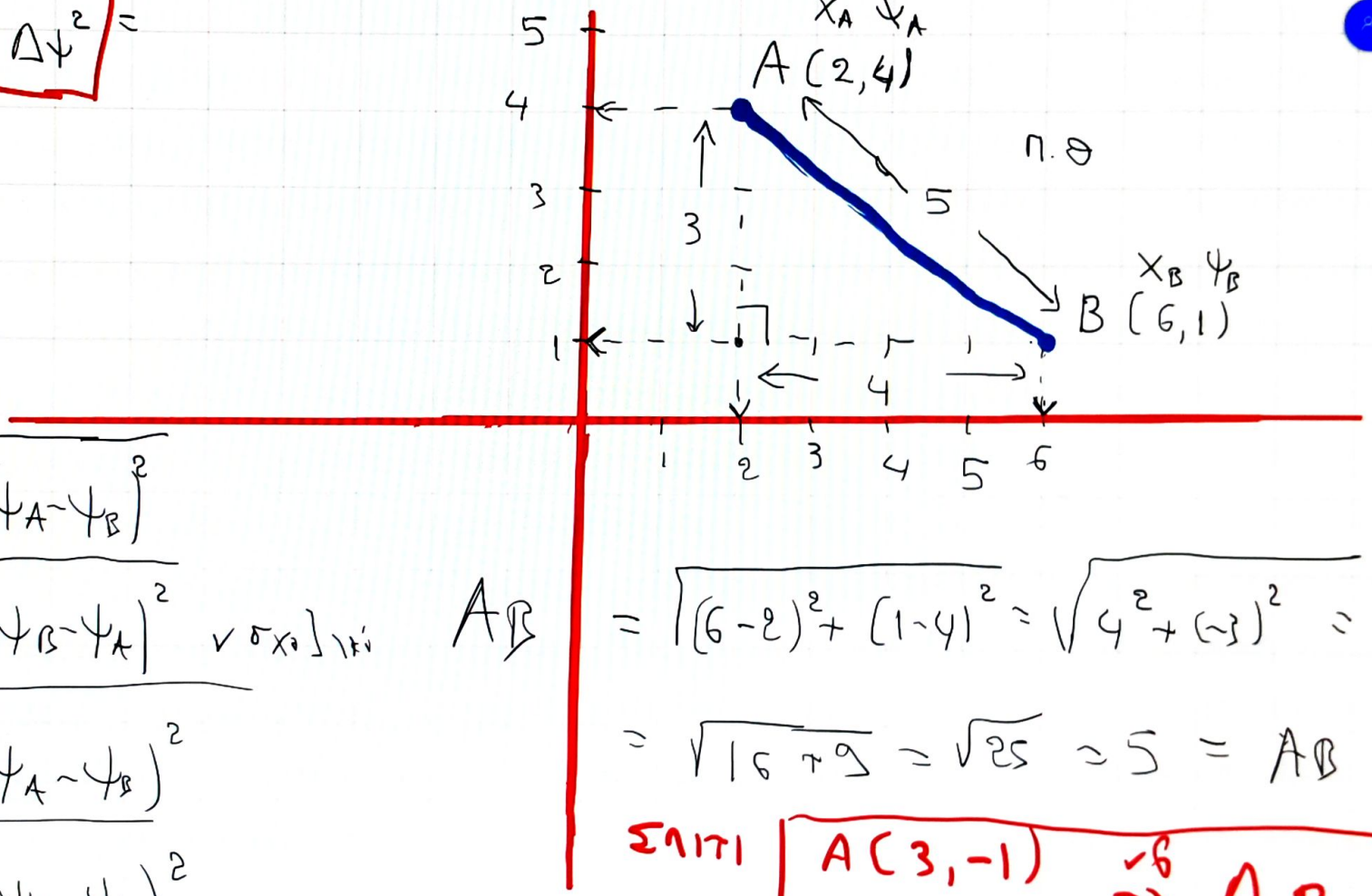
ή δι α

$$AB = \sqrt{(x_A - x_B)^2 + (\psi_A - \psi_B)^2}$$

$$AB = \sqrt{(x_B - x_A)^2 + (\psi_B - \psi_A)^2} \quad \text{γιατί } (-x)^2 = x^2$$

$$AB = \sqrt{(x_B - x_A)^2 + (\psi_A - \psi_B)^2}$$

$$AB = \sqrt{(x_A - x_B)^2 + (\psi_B - \psi_A)^2}$$



$$AB = \sqrt{(6-2)^2 + (1-4)^2} = \sqrt{4^2 + (-3)^2} =$$

$$= \sqrt{16 + 9} = \sqrt{25} = 5 = AB$$

Σημ A(3,−1), B(−2,−4) → AB

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ΠΜ

Σ154

$$AB = \sqrt{\Delta x^2 + \Delta \psi^2} =$$

$A(x_A, \psi_A)$

$B(x_B, \psi_B)$

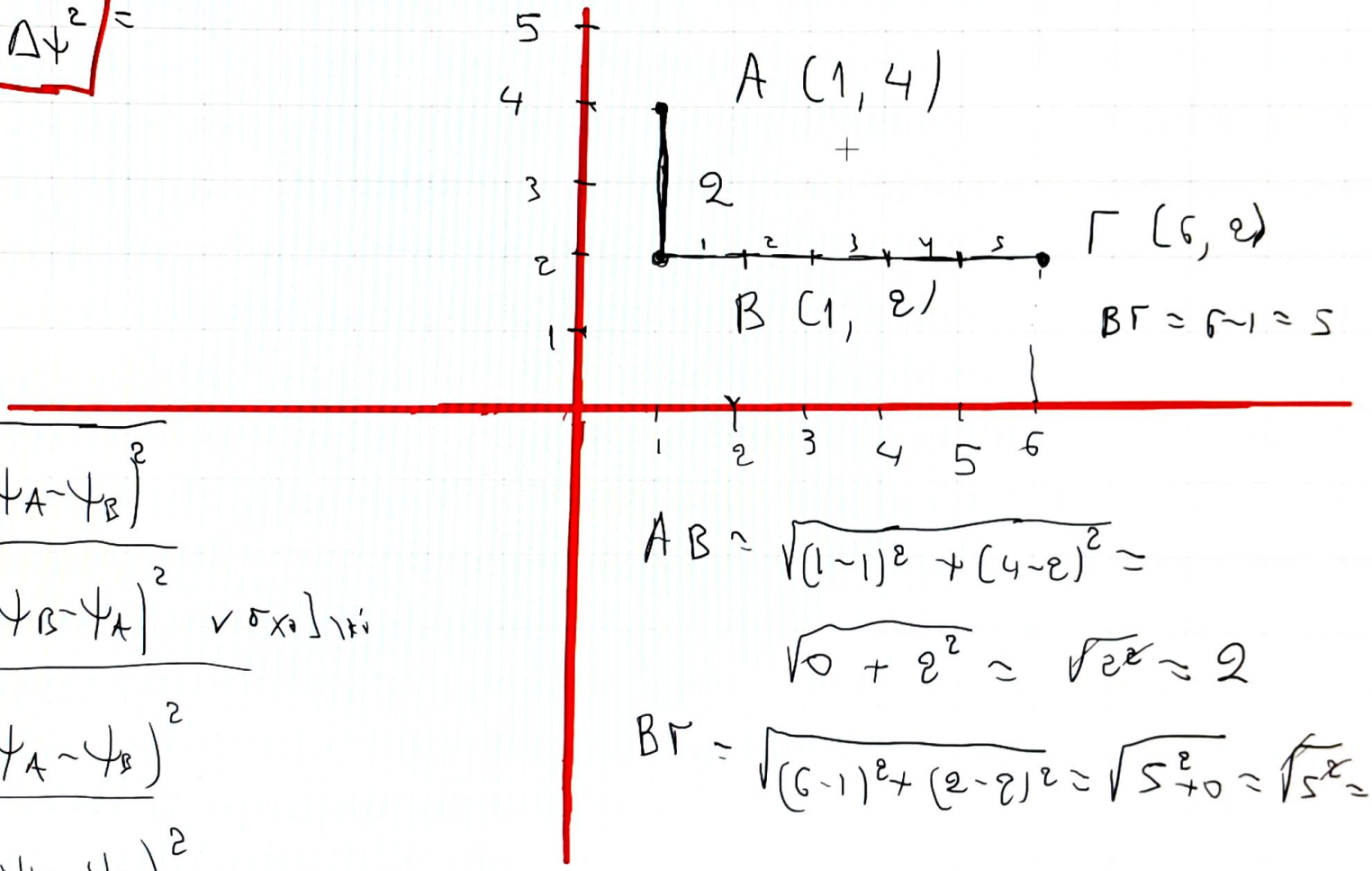
ή διαφορετικά

$$AB = \sqrt{(x_A - x_B)^2 + (\psi_A - \psi_B)^2}$$

$$AB = \sqrt{(x_B - x_A)^2 + (\psi_B - \psi_A)^2} \quad \text{γιατί } (-x)^2 = x^2$$

$$AB = \sqrt{(x_B - x_A)^2 + (\psi_A - \psi_B)^2}$$

$$AB = \sqrt{(x_A - x_B)^2 + (\psi_B - \psi_A)^2}$$



$A(1, 4)$

$B(1, 2)$

$\Gamma(6, 2)$

$AB = 4 - 2 = 2$

$B\Gamma = 6 - 1 = 5$

$$AB = \sqrt{(1-1)^2 + (4-2)^2} =$$

$$\sqrt{0 + 2^2} = \sqrt{2^2} = 2$$

$$B\Gamma = \sqrt{(6-1)^2 + (2-2)^2} = \sqrt{5^2 + 0} = \sqrt{5^2} = 5$$

Σ157 / Α3

$A(-1,3)$

συμμετρικό

I $\xrightarrow{x'x}$ $A'(-1,-3)$

II $\xrightarrow{y'y}$ $A''(1,3)$

III $\xrightarrow{y=x}$ $A'''(3,-1)$

I $\xrightarrow{O(0,0)}$ $A''''(1,-3)$