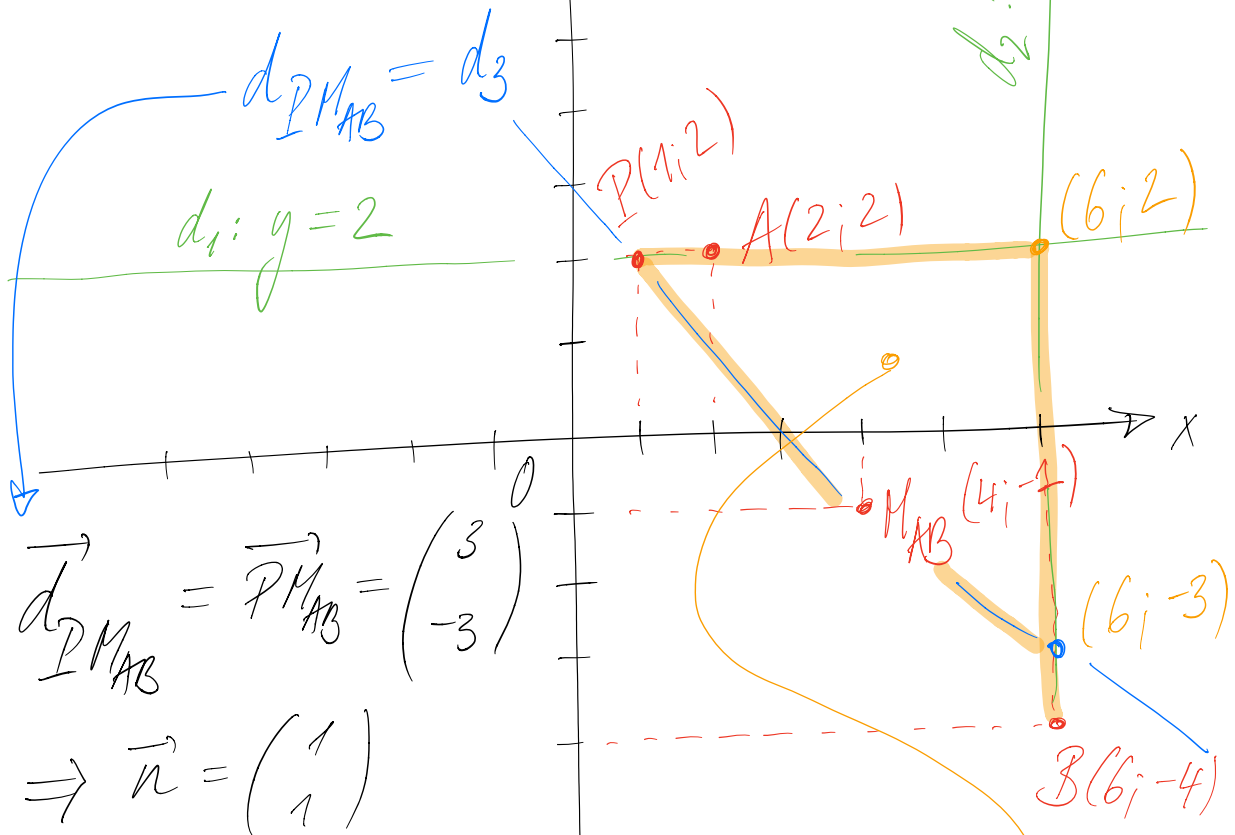


$$M_{AB} = \frac{A+B}{2}$$

$$= \left( \frac{2+6}{2}; \frac{2-4}{2} \right) = (4; -1)$$



$$\vec{d}_{PM_{AB}} = \vec{PM_{AB}} = \begin{pmatrix} 3 \\ -3 \end{pmatrix}$$

$$\Rightarrow \vec{n} = \begin{pmatrix} 1 \\ 1 \end{pmatrix}$$

$$\Rightarrow \vec{d}_{PM_{AB}} : x+y+c=0 \text{ par } P(1; 2)$$

$$\Rightarrow \vec{d}_{PM_{AB}} : x+y-3=0$$

d<sub>3</sub>

Area du  $\Delta$ :

$$\left[ \frac{5 \cdot 5}{2} = 12,5 a^2 \right]$$