

3.4.1 a 3.4.5 ✓

3.5.1 a 3.5.8 → Jendi 7 avril

3.5.10

3.5.14

3.5.15

3.6.3 (3.6.12)
Vendredi 8 avril

(3.6.4)

(3.6.8)

(3.6.9)

(3.6.11)

3.6.1

3.6.2

TE du

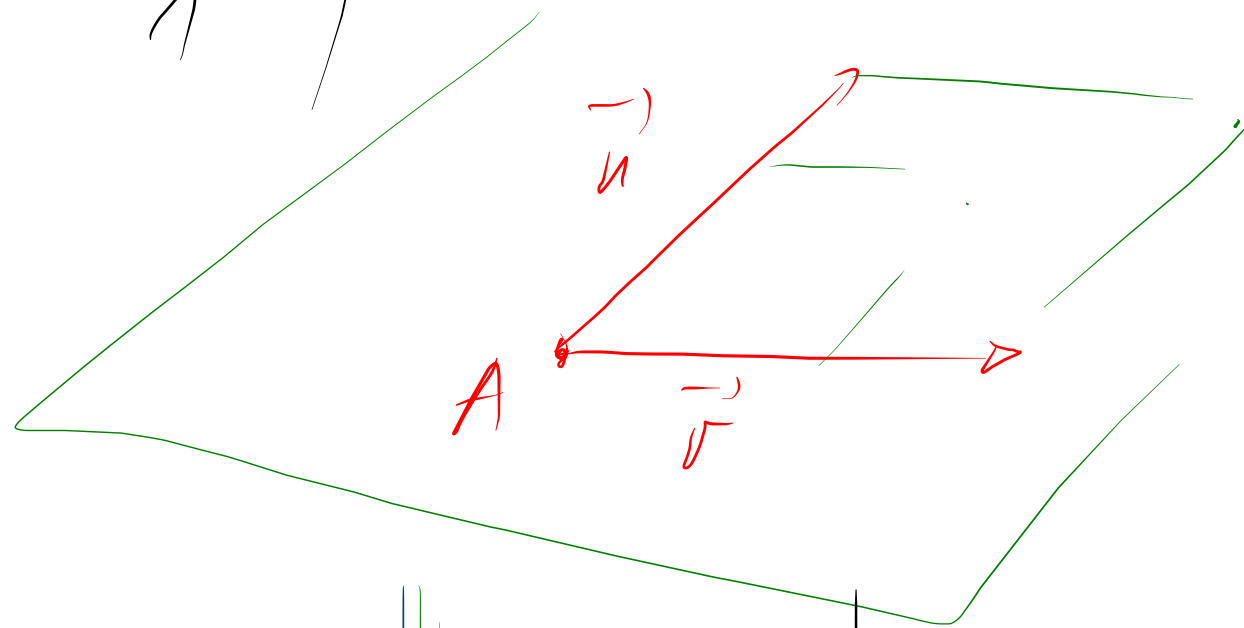
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$$A(1; -1; 2)$$

$$\vec{u} = \begin{pmatrix} 1 \\ 1 \\ 2 \end{pmatrix}$$

$$\vec{v} = \begin{pmatrix} -2 \\ 0 \\ 1 \end{pmatrix}$$

$$\pi(A; \vec{u}; \vec{v})$$



Cartésienne :

$$\vec{u} \times \vec{v} :$$

$$\begin{vmatrix} 1 & 1 & 2 \\ 1 & 1 & 0 \\ -2 & 0 & 1 \end{vmatrix}$$

$$\rightarrow \vec{n} = \begin{pmatrix} 1 \\ -5 \\ 2 \end{pmatrix}$$

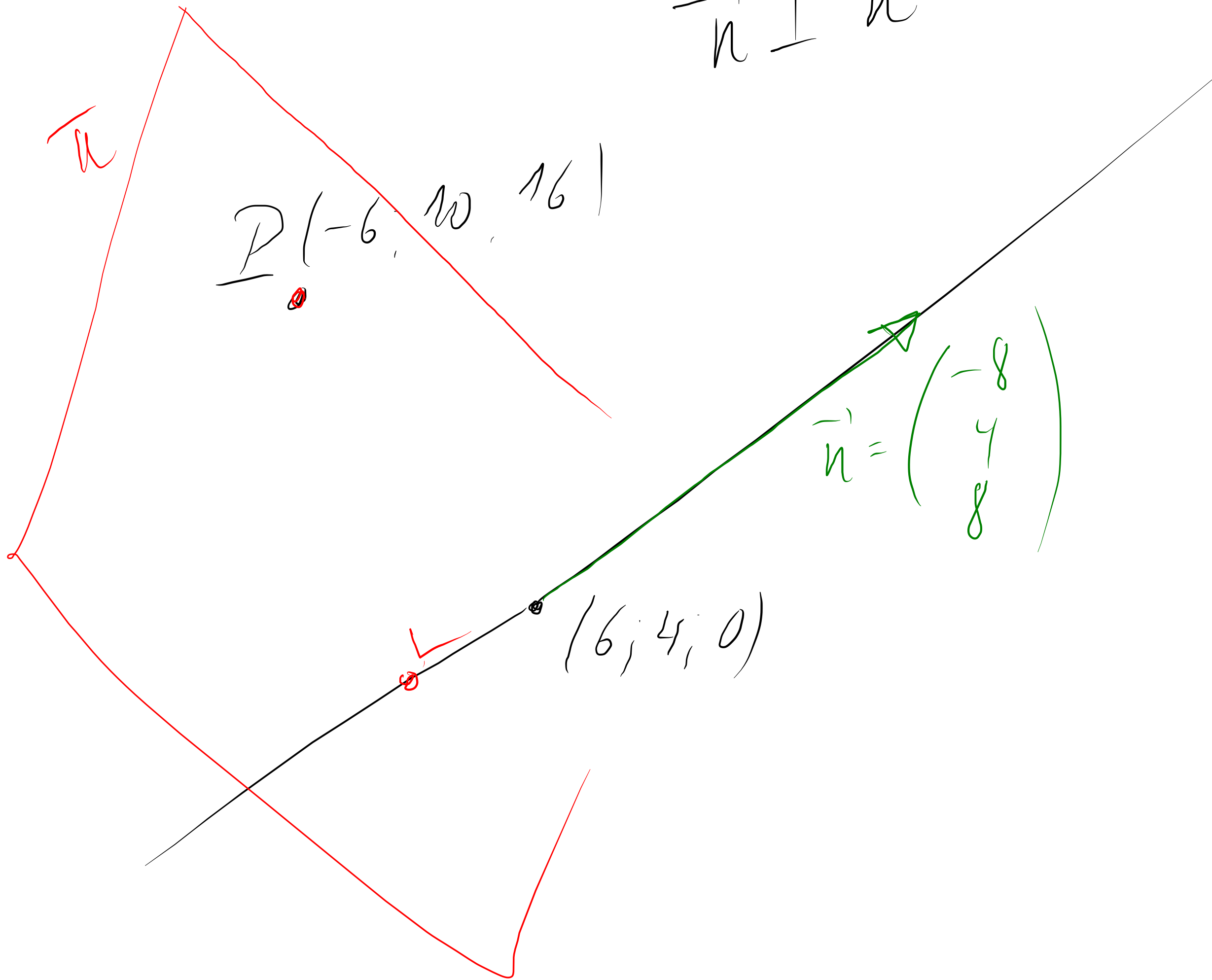
$$x - 5y + 2z + d = 0 \quad \text{par } A(1; -1; 2)$$

$$1 + 5 + 4 + d = 0$$

$$d = -10$$

$$\pi: x - 5y + 2z - 10 = 0$$

$$\vec{n} \perp \overline{n}$$



$$P(-6, 10, 16)$$

$$\vec{n} = \begin{pmatrix} -8 \\ 4 \\ 8 \end{pmatrix}$$

$$(6, 4, 0)$$