

XII-2

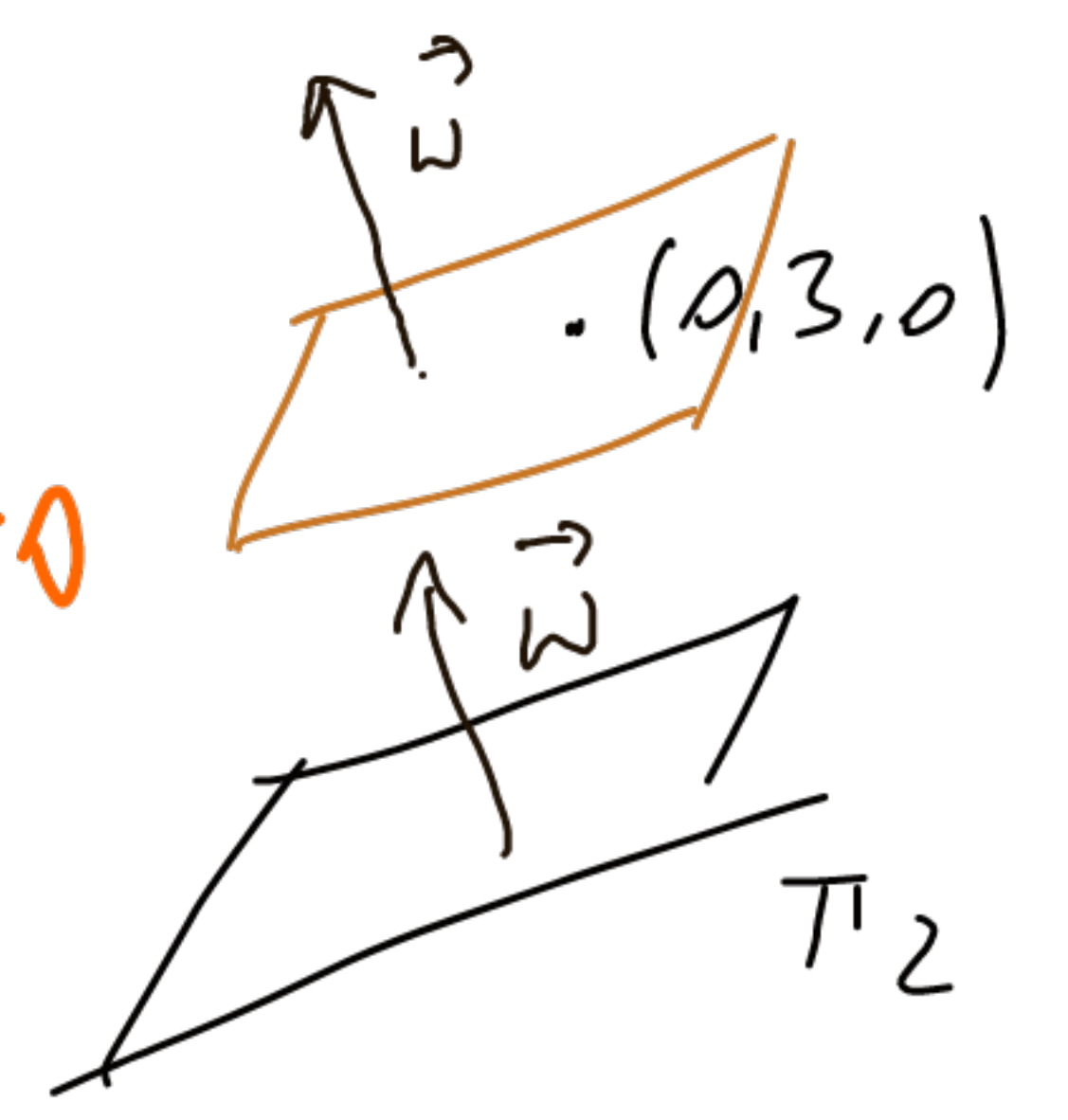
$\pi \ni (0, 3, 0)$        $\pi \parallel \pi_2: 3x - y + 2 = 0$

$3x - y + 2 = 0$

$\vec{w} = [3, -1, 0]$

$3(x-0) - 1(y-3) + 0(2-\cancel{0}) = 0$

$3x - y + 3 = 0$



$$\left\{ \begin{array}{l} 3x - y + D = 0 \\ \uparrow (0, 3, 0) \\ 3 \cdot 0 - 3 + D = 0 \\ D = 3 \end{array} \right.$$