

Geometry 2e – Practice

1st class – 16.02.2026.

1. Find the projected image of $P(1,2,3)$ to the plane $2x - y + 2z = 0$.
2. Reflect $P(3, -1,5)$ in the plane $3x - 4z = 0$.
3. Give the equation of the plane, that is orthogonal to $e: \frac{x-5}{4} = \frac{1-2y}{2} = z$ and passes through the reflected image of $A(-1, -1,0)$ in the line $f: x = t, y = -t, z = 2t$.
4. Rotate A around f by $+60^\circ$, form Ex 4.
5. Reflect $P(1,2,3)$ in the plane $2x - y + 2z = 5$.
6. Find the projected image of $P(3, -4,2)$ to $e: x - 4 = -(y + 3) = \frac{z-2}{2}$.