

XVI/6

$$l: \frac{x-3}{1} = \frac{y}{2} = \frac{z+1}{2} \quad \leftarrow$$

$$\pi: -2x + y + 3 = 0$$

$$\vec{v} = (1, 2, 2)$$

$$\vec{n} = (-2, 1, 0)$$

$$\vec{v} \cdot \vec{n} = -2 + 2 + 0 = 0$$

$$\vec{v} \perp \vec{n} \Rightarrow l \parallel \pi$$

$P \in l$ , пр.  $P = (3, 0, -1)$

$$d(l, \pi) = d(P, \pi) = \frac{|-6 + 0 + 3|}{\sqrt{(-2)^2 + 1^2 + 0^2}}$$

$\uparrow$   
 $l \parallel \pi$

