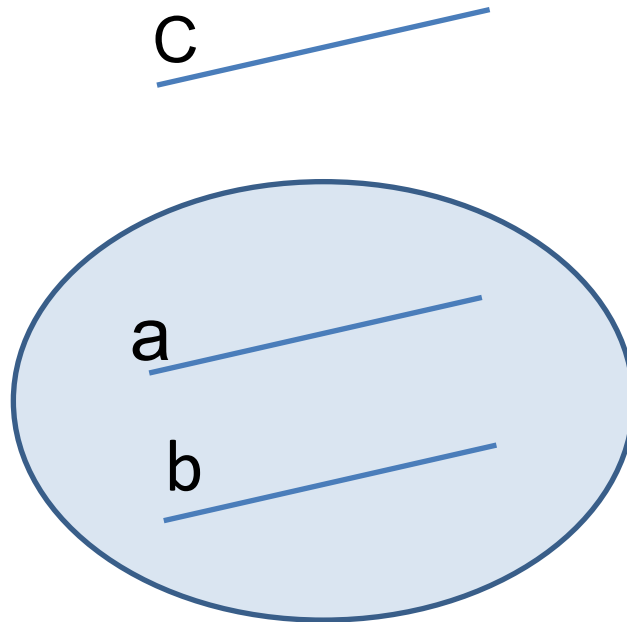


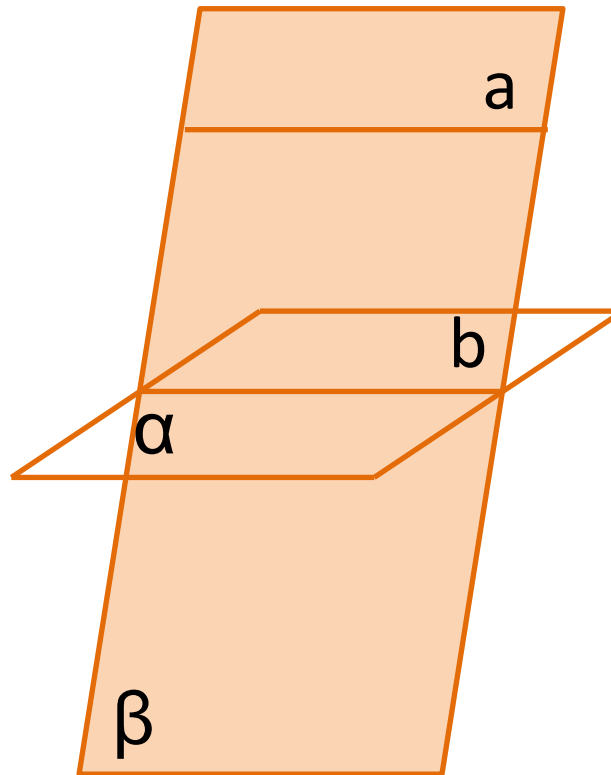
Параллельность прямых и плоскостей.

1. Признаки параллельности прямых.



$$a \parallel c; b \parallel c \Rightarrow a \parallel b$$

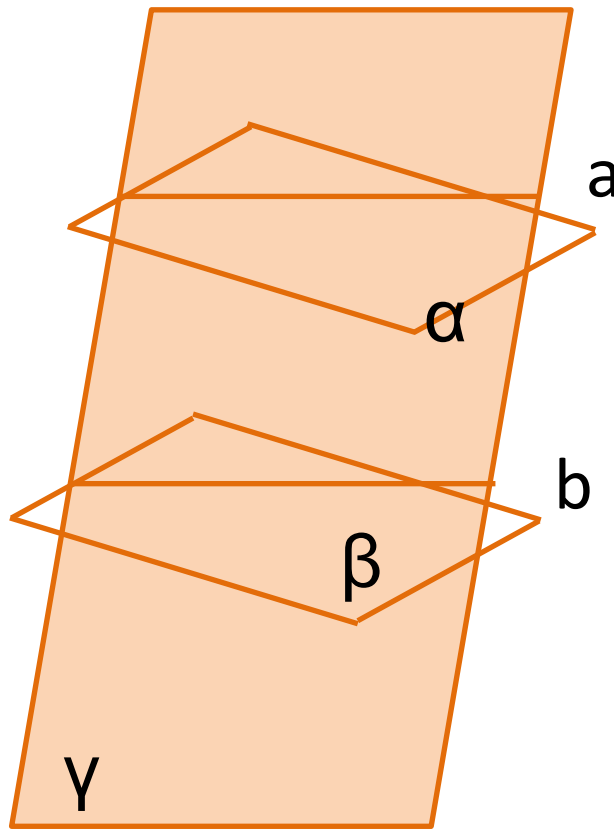
2.



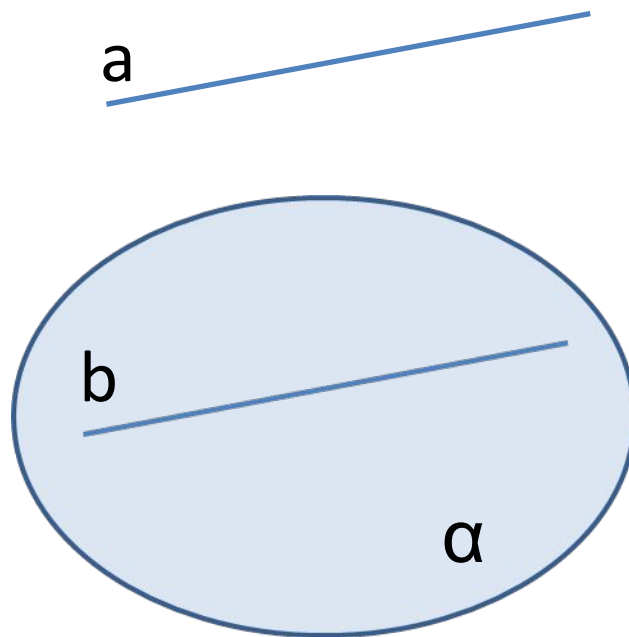
$$a \parallel \alpha, \alpha \cap \beta = b \Rightarrow a \parallel b$$

3.

$$\alpha \parallel \beta, \gamma \cap \alpha = a, \gamma \cap \beta = b \Rightarrow a \parallel b$$

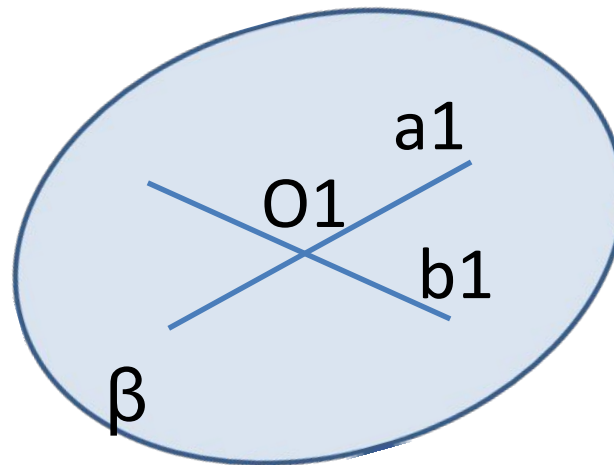
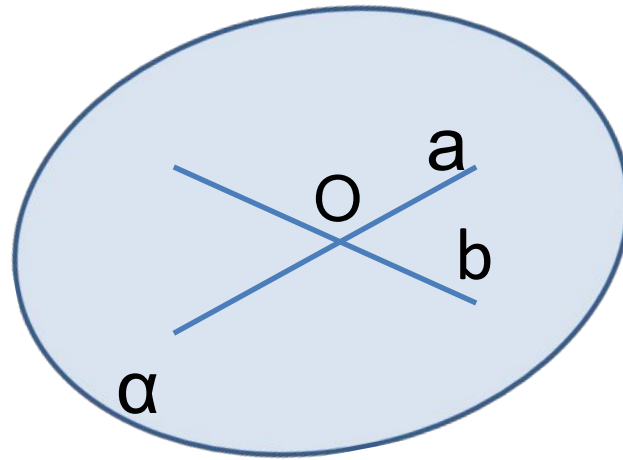


4. Признак параллельности прямой и плоскости



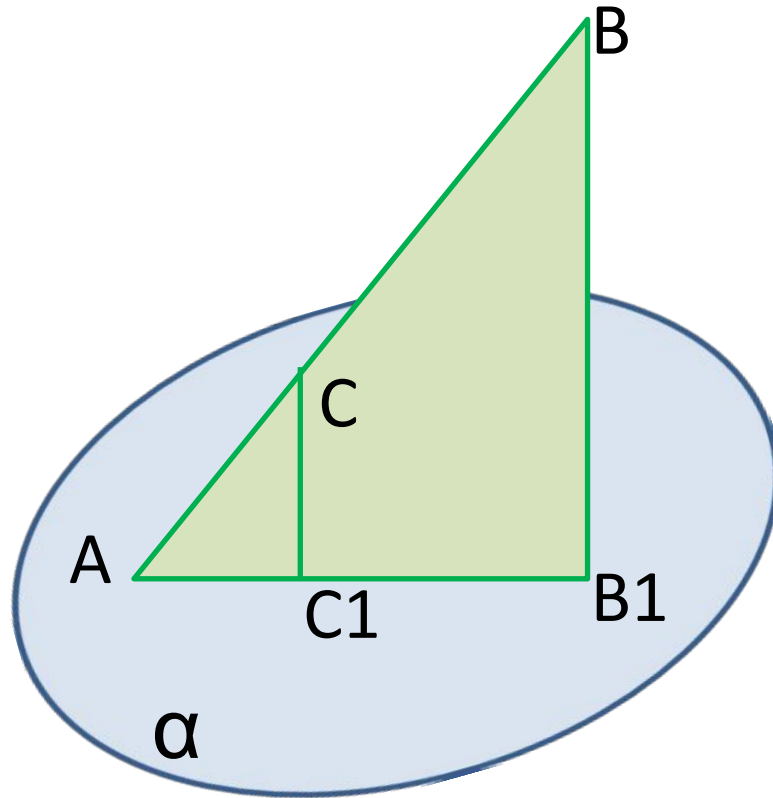
$$a \parallel b, b \in \alpha \Rightarrow a \parallel \alpha$$

5. Признак параллельности плоскостей



$a \cap b = O, a \in \alpha, b \in \alpha, a \parallel a1, b \parallel b1, a1 \in \beta, b1 \in \beta$
 $\Rightarrow \alpha \parallel \beta$

6.



7.

