

$$x^2+y^2+10y+21=0;$$

$$x^2+y^2+10y+21+4-4=0;$$

$$x^2+(y^2+10y+25)=4;$$

$$x^2+(y+5)^2=2^2;$$

$(x-a)^2+(y-b)^2=R^2$  – equation of a circle, where  $(a,b)$  – center and  $R$  is a radius of a circle.

$$(x-0)^2+(y-(-5))^2=2^2;$$

So, point  $(0,-5)$  – center of a circle and  $R=2$  – radius of a circle;

