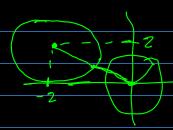


As circunferências α : $(x + 2)^2 + (y - 2)^2 = 1$ e β : $x^2 + y^2 = 1$ possuem quantos pontos em comum?

- A) 0
- B) 1
- C) 2
- D) 3

$$(x+2)^{2} + (y-2)^{2} = 1_{(1)}$$

$$x^2+y^2=1_{\beta}$$



$$(x-x_0)^2+(y-y_0)^2=R^2$$

$$C_{\alpha} = (-2, 2)$$

$$\frac{\sqrt{(-2-0)^{2}+(2-0)^{2}}}{\sqrt{4+4}}$$

$$\sqrt{8}$$

$$0 < R_{\alpha} + R_{\beta} 2$$

$$0 > R_{\alpha} + R_{\beta} 0$$

$$0 = R_{\alpha} + R_{\beta} 1$$

RESPOSTA: a