

Iun Andre Ter Stegen

1 Convierte la ecuacion general a ordinaria

$$x^2 + y^2 - 4x - 6y = 34$$

$$x^2 - 4x + 4 + y^2 - 6y + 9 = 34 + 4 + 9$$

$$(x-2)^2 + (y-3)^2 = 52$$

$$x^2 + y^2 + 8x + 4y = 81$$

$$x^2 + 8x + 16 + y^2 + 4y + 4 = 81 + 16 + 4$$

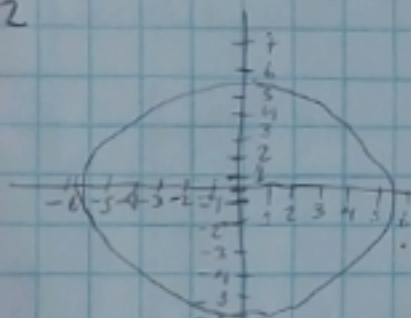
$$(x+4)^2 + (y+2)^2 = 101$$

$$x^2 + y^2 + 10x - 4y = -3$$

$$x^2 + 10x + 25 + y^2 - 4y + 4 = -3 + 25 + 4$$

$$(x+5)^2 + (y-2)^2 = 26$$

2

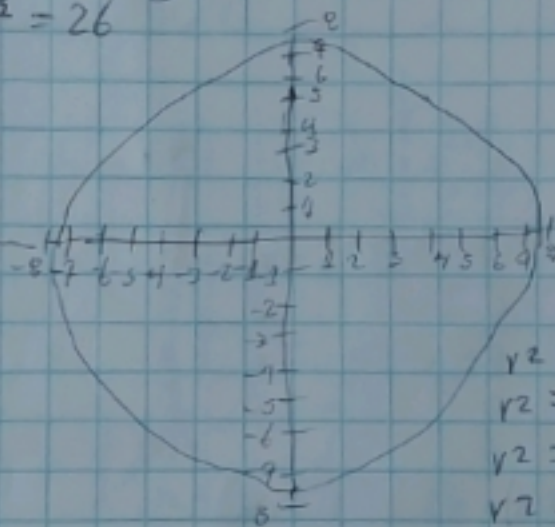


$$r^2 = x^2 + y^2$$

$$r^2 = 4^2 + 4^2$$

$$r^2 = 16 + 16$$

$$r^2 = 32$$



$$r^2 = x^2 + y^2$$

$$r^2 = -4^2 + 6^2$$

$$r^2 = 16 + 36$$

$$r^2 = 52$$

3 dados las ecuaciones de la circunferencia, obtén el

valor del radio

$$46 = x^2 + y^2$$

$$r = \sqrt{46}$$

$$34 = x^2 + y^2$$

$$r = \sqrt{34}$$

$$50 = (x-5)^2 + (y+6)^2$$

$$r = \sqrt{5^2 + 6^2}$$

$$r = \sqrt{25 + 36} \quad r = 6.7$$

$$44 = (x+3)^2 + (y+4)^2$$

$$r = \sqrt{3^2 + 4^2}$$

$$r = \sqrt{9 + 16}$$

$$r = 5$$

$$25 = (x+3)^2 + (y-4)^2$$

$$r = \sqrt{3^2 + 4^2}$$

$$r = \sqrt{9 + 16}$$

$$r = 5$$

$$44 = (x+1)^2 + (y-2)^2$$

$$r = \sqrt{1^2 + 2^2}$$

$$r = \sqrt{1 + 4}$$

$$r = 2.2$$