

Encontrar

Dadas las ecuaciones de la Circunferencia, Obtén el valor del radio:

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

$$r = \sqrt{46}$$

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

$$r = \sqrt{34}$$

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

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

$$r = \sqrt{25}$$

$$r = 5 //$$

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

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

$$r = \sqrt{61}$$

$$49 = (x+1)^2 + (y-1)^2$$

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

$$r = \sqrt{2}$$

$$r = 2 //$$

Determina las coordenadas del
centro de las siguientes ecuaciones
de circunferencia

$$46 = x^2 + y^2 \quad (-1, -1)$$

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

$$49 = (x+1)^2 + (y-1)^2 \quad (-1, 1)$$

$$34 = x^2 + y^2 \quad (-1, -1)$$

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

Dados
Circunferencia
radio

$$46 = r^2$$

$$r = \sqrt{46}$$

$$r = 6.78$$

$$r = 7$$

$$r = 7$$

$$x^2 + y^2 - 8x - 4y = 39$$

$$49 = (x+1)^2 + (y-1)^2$$

$$49 = x^2 + 2x + 1 + y^2 - 2y + 1$$

$$x^2 + y^2 + 2x - 2y - 47 = 0$$

2. Conjunto de la ecuación Ordinaria a la general

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

$$25 = x^2 + 6x + 9 + y^2 - 8y + 16$$

$$x^2 + y^2 + 6x - 8y = 0$$

$$50 = (x-8)^2 + (y+6)^2$$

$$50 = x^2 - 16x + 64 + y^2 + 12y + 36$$

$$x^2 + y^2 - 16x + 12y + 11 = 0$$

Convierte de la ecuación general a
Ecuación

$$x^2 + y^2 - 4x - 6y = 39$$

$$x^2 - 4x + 4 + y^2 - 6y + 9 = 39 + 4 + 9$$

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

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

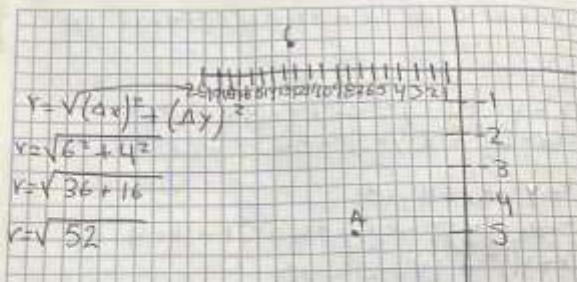
$$x^2 + 8x + 16 + y^2 + 4y + 4 = 81 + 16 + 4$$

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

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

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

$$(x+5)^2 + (y-2)^2 = 32$$



$$r = \sqrt{(\Delta x)^2 + (\Delta y)^2}$$

$$r = \sqrt{6^2 + 4^2}$$

$$r = \sqrt{36 + 16}$$

$$r = \sqrt{52}$$

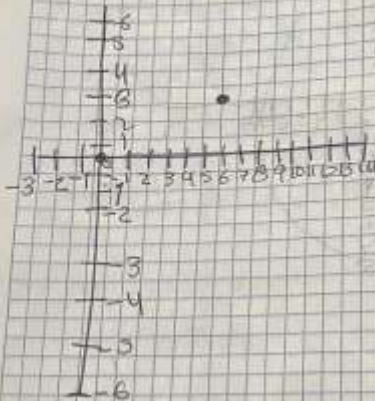
$$r^2 = (x-h)^2 + (y-k)^2$$

$$52 = (x - (-8))^2 + (y - (-5))^2 //$$

Determina la ecuación de las siguientes
Circunferencias Desplazadas

$$C(6, 3)$$

$$P(2, 10)$$



$$r = \sqrt{(\Delta x)^2 + (\Delta y)^2}$$

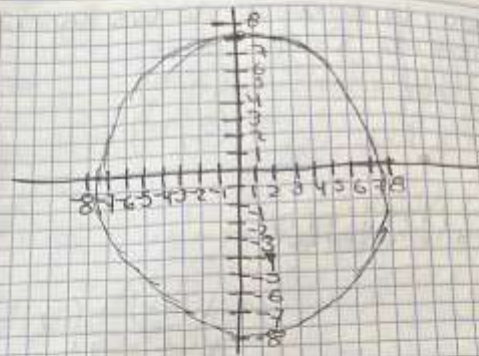
$$r = \sqrt{4^2 + 7^2}$$

$$r = \sqrt{16 + 49}$$

$$\sqrt{65}$$

$$r^2 = (x - h)^2 + (y - k)^2$$

$$65 = (x - 6)^2 + (y - 3)^2$$



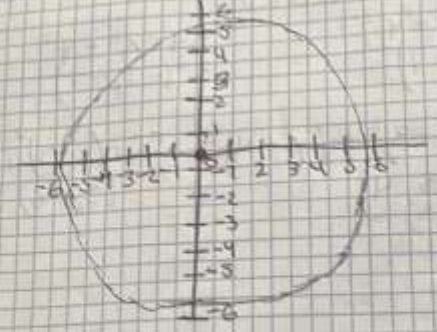
$$r^2 = x^2 + y^2$$

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

$$r^2 = 16 + 36$$

$$r^2 = 52$$

1) Determina la ecuación de las Circunferencias
situadas al Origen



$$r^2 = x^2 + y^2$$
$$r^2 = 4^2 + 4^2$$
$$r^2 = 16 + 16$$
$$r^2 = \underline{\underline{32}}$$

3. Determina las coordenadas del Centro de las siguientes ecuaciones de Circunferencia

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

$$(-7, -7)$$

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

$$(-7, -7)$$

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

$$(-3, -4)$$

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

$$(5, -6)$$

2. Dadas las ecuaciones de la Circunferencia
Obten el valor del radio

$$46 = x^2 + y^2$$
$$r = \sqrt{46}$$

$$34 = x^2 + y^2$$
$$r = \sqrt{34}$$

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

$$r = \sqrt{5^2 + 6^2}$$
$$r = \sqrt{25 + 36} \quad r = 6.1$$

$$49 = (x+1)^2 + (y-1)^2$$

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

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

$$r = \underline{\underline{2}}$$