

$$49 = (x+7)^2 + (y-1)^2$$

$$49 = x^2 + 14x + 49 + y^2 - 2y + 1$$

$$x^2 + y^2 + 14x - 2y - 47 = 0$$

Convertir la ecuación general a ordinaria

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

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

$$(x-2)^2 + (y-3)^2 = -5$$

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

$$x^2 + x + \frac{1}{4} + y^2 + 4y + 4 = 81 + \frac{1}{4} + 4$$

$$(x + \frac{1}{2})^2 + (y + 2)^2 = 10\frac{1}{4}$$

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

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

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

Determina los coordenados del centro de las siguientes ecuaciones de circunferencia

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

$(0, 0)$

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

$(-1, -1)$

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

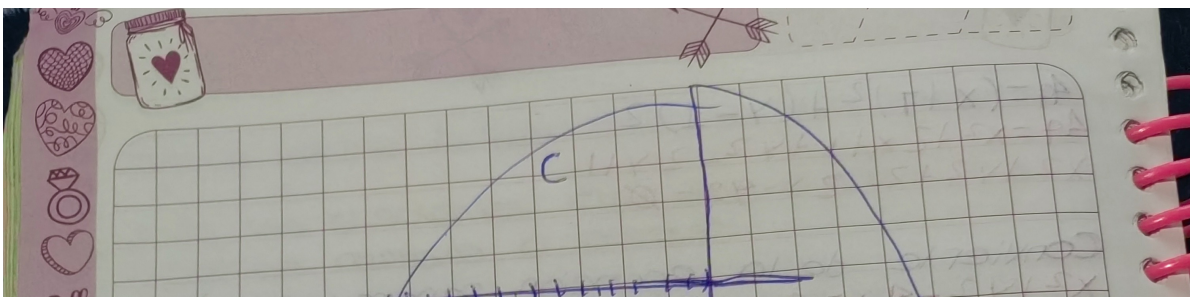
$(-3, 4)$

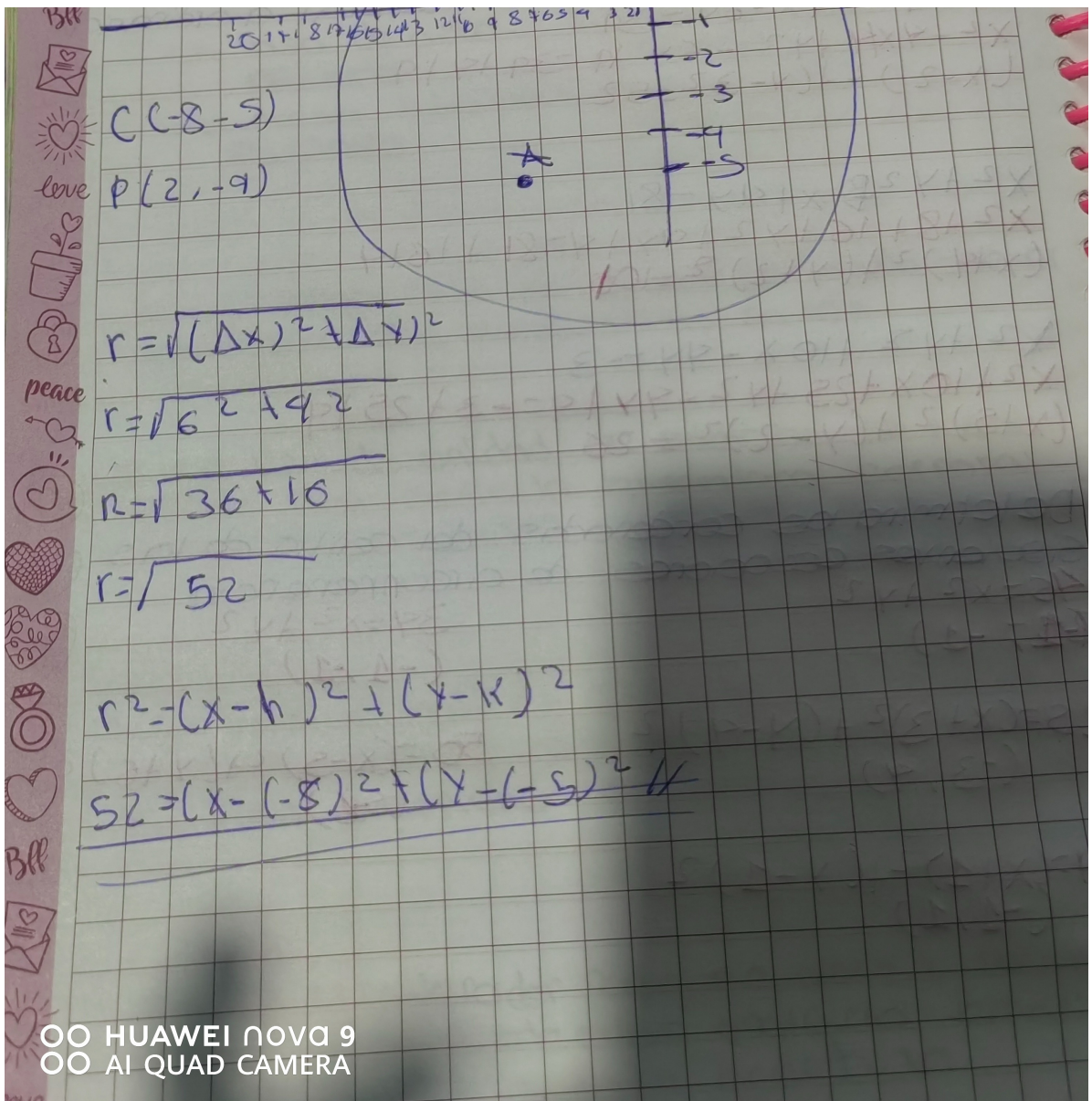
$$50 = (x-5)^2 + (y+6)^2$$

$(5, -6)$

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

$(-1, 1)$





OO HUAWEI nova 9  
 OO AI QUAD CAMERA

Dadas las ecuaciones de la circunferencia  
 obtener el valor del radio

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

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

$25 = (x+3)^2 + (y-4)^2$   
 $r = \sqrt{32 + 9}$   
 $r = \sqrt{4 + 16}$   
 $r = 25$

$50 = (x-5)^2 + (y+6)^2$   
 $r = \sqrt{32 + 16}$   
 $r = \sqrt{25 + 36}$   $r = 61$

$49 = (x+9)^2 + (y-1)^2$   
 $r = \sqrt{72 + 72}$

$$r^2 = 1 + \Delta$$

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

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

$$r^2 = -4 + 16$$

$$r^2 = 16 + 30$$

$$\underline{\underline{r^2 = 52}}$$

