$$\begin{cases} 6x - 4y = 9 \\ x + 3 = 2y \end{cases}$$

$$\begin{cases} 5 \times -9 &= 4y \\ \frac{x}{2} + \frac{3}{2} &= \frac{2y}{2} \end{cases}$$

$$\begin{cases} \frac{5x}{4} - \frac{9}{4} = \frac{4y}{4} \\ \frac{x}{2} + \frac{3}{2} = y \end{cases}$$

$$\frac{3x}{4} = \frac{15}{4 \cdot 4}$$

$$3x = 15$$

$$\frac{3 \times 15}{3} = \frac{15}{3}$$

$$\times = 5$$

$$25 - 4y = 9$$

$$\begin{cases} x + 2y = 5 \\ 3x + 6y = 12 \end{cases}$$

$$\begin{cases}
x - 5 = -29/-2 \\
3x - 12 = -69/-6
\end{cases}$$

$$\int \frac{x}{-2} - \frac{6}{-2} = y$$

$$\frac{3}{-6}x - \frac{12}{-6} = y$$

$$\frac{x}{-2} - \frac{5}{-2} = \frac{3}{-6}x - \frac{12}{-6}$$

$$\frac{(x-5)^{.3}}{-2.3} = \frac{3x-12}{-6}$$

$$\frac{3x - 15}{6 - 6} = \frac{3x - 12}{-6 - 6}$$

$$3x - 15 = 3x - 12$$

$$3x - 3x = -12 + 16$$

$$3(3) + 6y = 12$$

$$q + 6y = 12$$

$$\frac{-3}{-6} = \frac{-6y}{-6}$$

$$\frac{1}{2} = 9$$

## Revision Intra

a) 
$$(2;-1)$$

$$(y-1)^{2} = 2^{2}$$

$$(x^{2} + y^{2} + 8x - 6y = 0)$$

$$\left(x^2 + 8x\right) + \left(y^2 - 6y\right) = 0$$

$$\left(\frac{8}{2}\right)^2 = 16 \qquad \left(\frac{-6}{2}\right)^2 = 9$$

$$(x^2+8x+16-16)+(y^2-6y+9-9)=0$$

$$(x^2 + 8x + 16) - 16 + (y^2 - 6y + 9) - 9 = 0$$

$$(x^{2} + 8x + 16) + (y^{2} - 6y + 9) - 25 = 0$$

$$(x + 4)^{2} + (y - 3)^{2} - 25 = 0$$

$$+ 25 + 25$$

$$(x + 4)^{2} + (y - 3)^{2} = 25 = 5^{2}$$

$$(x - (-4))^{2} + (y - 3)^{2} = 5^{2}$$

$$(x - (-4))^{2} + (y - 3)^{2} = 5^{2}$$

$$(x - (-4))^{2} + (y - 3)^{2} = 5^{2}$$

i) 
$$x^{2} + 8x + y^{2} + 10y + 15 = 0$$

$$(x^{2} + 8x) + (y^{2} + 10y) + 15 = 0$$

$$-15 - 15$$

$$(x^{2} + 8x) + (y^{2} + 10y) = -15$$

$$(x^{2} + 8x) + (y^{2} + 10y) = -15$$

$$(\frac{8}{2})^{2} = 16$$

$$(\frac{10}{2})^{2} = 25$$

$$(x^2 + 8x + 16 - 16) + (y^2 + 10y + 25 - 25) = -15$$

$$(x^2 + 8x + 16) + (y^2 + 10y + 25) - 41 = -15$$

$$(x^2 + 8x + 16) + (y^2 + 10y + 25) = 26$$

$$(x^{2}+8x+16) + (y^{2}+10y+25) = 26$$

$$(x+4)^{2} + (y+5)^{2} = 26$$

$$(x-(-4))^{2} + (y-(-5))^{2} = (\sqrt{26})^{2}$$

$$((-4;-5)) R = \sqrt{26}$$

# 4,15

$$\frac{(x-0)^{2} + (y-(-1))^{2} = (\sqrt{5})^{2}}{(x^{2} + (y+1)^{2})^{2}} = 5$$

c) 
$$C(-17,2)$$
  $R = \sqrt{2}$   
 $(x - (-1))^2 + (y - 2)^2 = (\sqrt{2})^2$ 

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

P. 188 # 4,40

Jerome love auto 3 jour roule 175 Km parle 125\$

11 Sjour 11 400 Km 11 250\$

$$y + x = Z$$

$$\begin{cases} 3y + 175x = 125 \\ 5y + 400x = 250 \end{cases}$$

$$\frac{d}{2x} + 5y = 15$$

$$24x + 10y = 20$$

$$\begin{cases} \frac{2}{-5} \times -\frac{15}{-5} = y \\ \frac{1}{-10} \times -\frac{20}{-10} = y \end{cases}$$

$$\frac{(2x-15)^{-2}}{-5\cdot 2} = \frac{4x-20}{-10}$$

$$\frac{-4x-30}{10\cdot -10} = \frac{4x-20}{-10}$$

$$-4x-30 = 4x-20$$

-4x - 4x = -20 + 30

$$\frac{-8 \times = 10}{-8} \\
\times = \frac{10}{-8} \\
\times = \frac{10}{-8} \\
4(\frac{10}{8}) - 20 = -10y \\
-25 = -10y \\
-10 = y$$