



$$d: 3x = y + 2$$

$$\underline{\underline{m_{AB}: -2x + y = 0}}$$

$$C = d \cap m_{AB} : \begin{cases} 3x - y = 2 \\ -2x + y = 0 \end{cases}$$

$$\underline{\hspace{10em}} \\ x = 2 \Rightarrow -2 \cdot 2 + y = 0 \\ y = 4$$

$$\Rightarrow \underline{\underline{C(2;4)}}$$

$$\Rightarrow \gamma: (x-2)^2 + (y-4)^2 = r^2$$

$$\text{comme } A \in \gamma: (3-2)^2 + (1-4)^2 = 1 + 9 = 10 = r^2$$

$$\Rightarrow \underline{\underline{\gamma: (x-2)^2 + (y-4)^2 = 10}}$$