$$g(t) = 25t^{2} - 150t + 3$$

$$x(t) = g'(t) = 25x(2t) - 150$$

$$x'(t) = 50t - 150$$

$$x'(t) = 50t - 150$$

$$x'(t) = 50 - 150 = 0$$

$$x'($$

y=-222

$$\beta'(x_o) = \lim_{h \to 0} \frac{\beta(x_o + h) - \beta(x_o)}{h}$$

$$g'(0) = \lim_{h \to 0} \frac{h^2 + 3h - 4 + 4}{h} = \lim_{h \to 0} h + 3 = 3$$

$$\begin{cases}
(x) = x^2 + 3x - 4 \\
\xi(h) = h^2 + 3h - 4 \\
\xi(o) = -4 \\
\xi'(o) = 3
\end{cases}$$

 $\mathcal{K}_{0} = 0$ 

$$g(x) = x^2 - 4x + 3$$

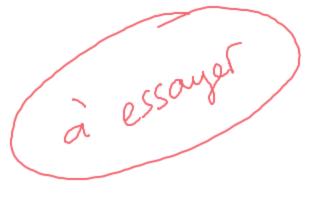
$$g(x) = -x^2 + 2x - 3$$

$$(-x)^2 = x^2 \quad \text{mais} - x^2 \neq x^2$$

Démontrer que Cf et Cg ont deux tangentes communes. 
$$2n a$$
?

Tg: 
$$y = g'(a)(x-a) + g(a)$$
  
Tg:  $y = g'(a)(x-a) + g(a)$ 

$$g'(x) = 2x - 4$$
  
 $g'(x) = -2x + 2$ 



$$Sin(x_1) = 1$$

$$x_1 = \frac{\pi}{2} + 2\pi k$$
,  $k \in \mathbb{Z}$ 

$$X_1 = \frac{15+17}{4}$$
  $X_3 = \frac{15-17}{4}$ 

$$X_2 = 8$$
  $X_3 = -\frac{1}{2}$ 

$$Sin(x_1) = 8$$
  $Sin(x_3) = -\frac{4}{2}$ 

$$Sin(x_L) = 0$$

$$x_3 = -\frac{\pi}{6} + 2\pi k$$
 on  $x_5 = -\frac{5\pi}{6} + 2\pi k$ 

F Suite
$$B = 10 \sin(65) \quad h = 5 \cos(65)$$

$$S_{z} = \frac{B \times h}{2} = \frac{50 \sin(65) \cos(65)}{2}$$

$$2S_{1} = \pi R^{2} \times \frac{50}{360}$$

$$A_{z} = \frac{2S_{1} + S_{2} \times 20,5}{2} \times 18,8 \text{ cm}^{2}$$

$$2S_{1} = \pi R^{2} \times \frac{50}{360}$$

$$2S_1 = TR^2 \times \frac{50}{360}$$

$$\mathcal{A}_c = \frac{\pi k^2}{2} - \mathcal{A}_b \simeq 18,8 \text{ cm}^2$$

Sin(\$)=1