



**Mi Universidad**

Nombre del alumno: Erick Ramirez Caballero

Parcial: Unidad 2

Nombre de la materia: Mate aplicada

Nombre del profesor: Sebastian

Cuatrimestre: Sexto

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

$$F'(x) = 4x^3 + 6x - 2$$

$$G(x) = 4x^3 + 6x - 2$$

$$G'(x) = 12x^2 + 6$$

$$H(x) = 12x^2 + 6$$

$$H(x) = 24x$$



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

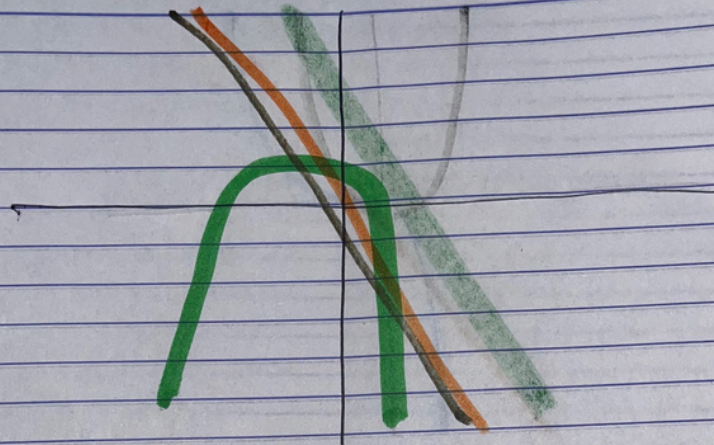
$$F'(x) = 4x^3 + 6x - 2$$

$$F''(x) = 12x^2 + 6$$

$$F'''(x) = 24x$$

$$F^{(4)}(x) = 24$$

$$F^{(5)}(x) = 0$$



$$F(x) = -3x^2 - 5x$$

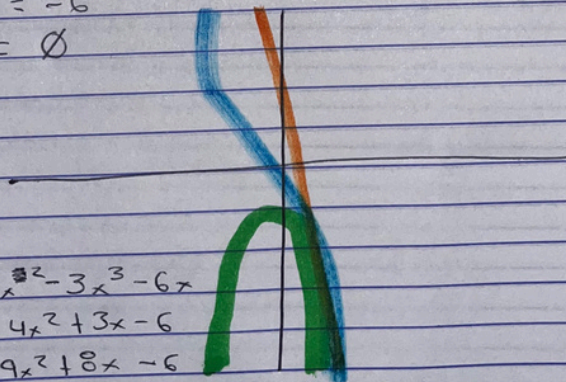
$$F(x) = 6x - 5$$

$$F'(x) = -6x - 5$$

$$F''(x) = -6$$

$$H(x) = -6$$

$$H(x) = \emptyset$$



$$F(x) = 4x^3 - 3x^2 - 6x$$

$$F'(x) = 4x^2 + 3x - 6$$

$$F(x) = 9x^2 + 8x - 6$$

$$F'(x) = 18x + 8$$

$$H(x) = 18x + 8$$

$$H(x) = -18$$