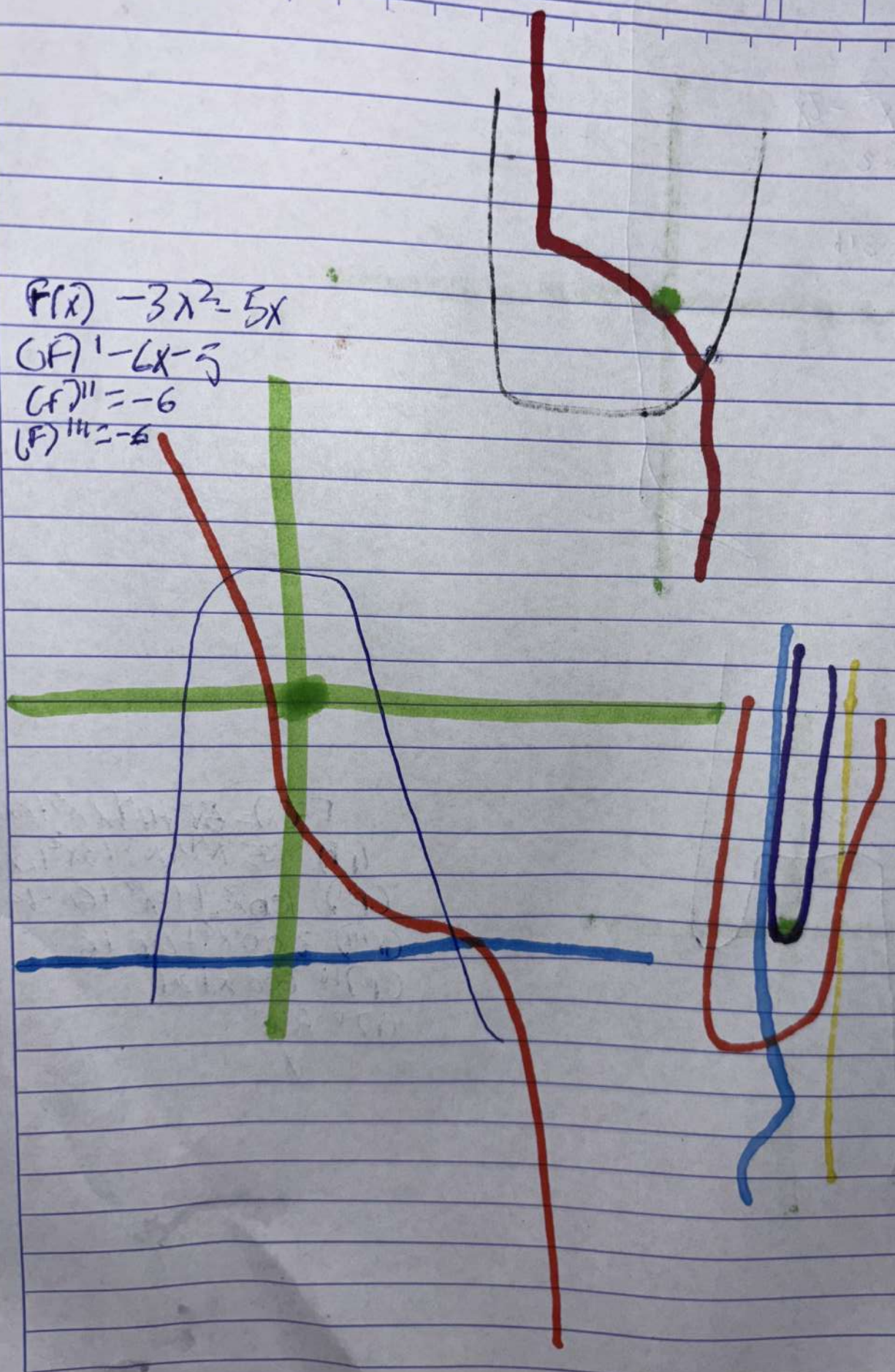
$F(x) -3x^2-5x$

$(F)' -6x-5$

$(F)'' = -6$

$(F)''' = -6$



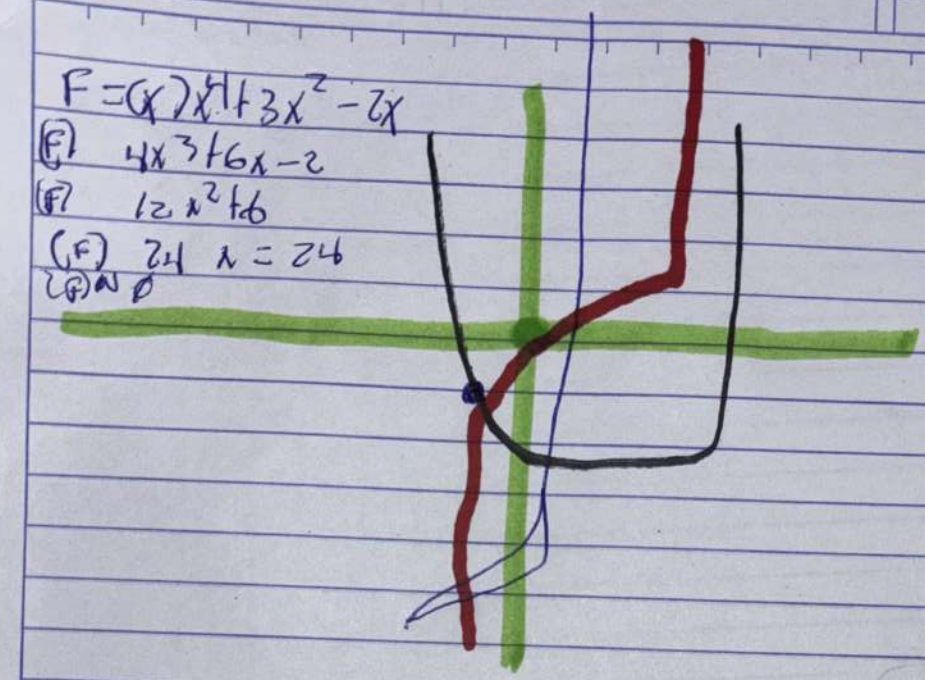
$F = (x)x^4 + 3x^2 - 2x$

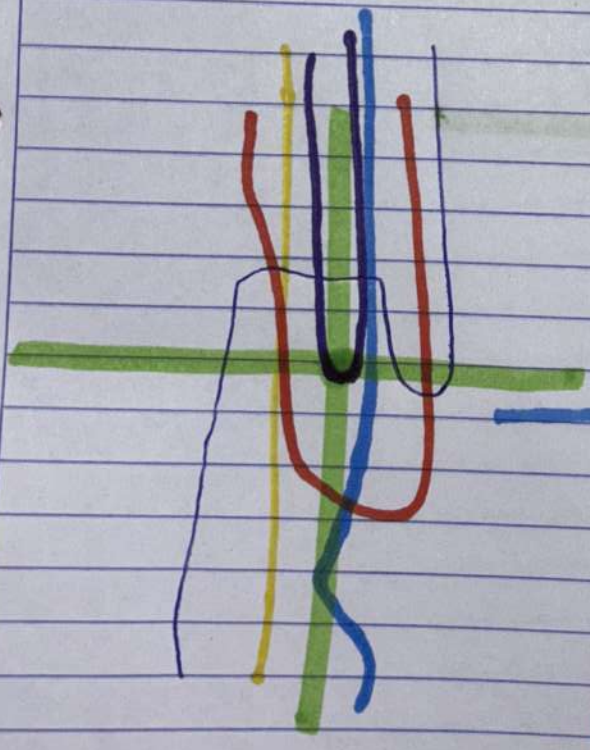
(F) $4x^3 + 6x - 2$

(F) $12x^2 + 6$

(F) $24x = 24$

(F) $\emptyset$





$F = (x) = 5x^5 + 4\frac{1}{2}x^3 + 6x^2$

(F) $25x^4 + 4\frac{1}{2}x^3 + 3x^2 + 12x$

(F) $100x^3 + 12x^2 + 6x - 12$

(F) $300x^2 + 24 + 6$

(F) $600x + 24$

(F) 600

$\emptyset$