$F(x) = x^3 + 4x^2 - 10x$ intervalo $[0, 5]$

evaluando a los extremos del intervalo

$X_1 = 0$

$F(X_1) = F(0) = (0)^3 + 4(0)^2 - 10(0) = 0$

$X_U = 5$

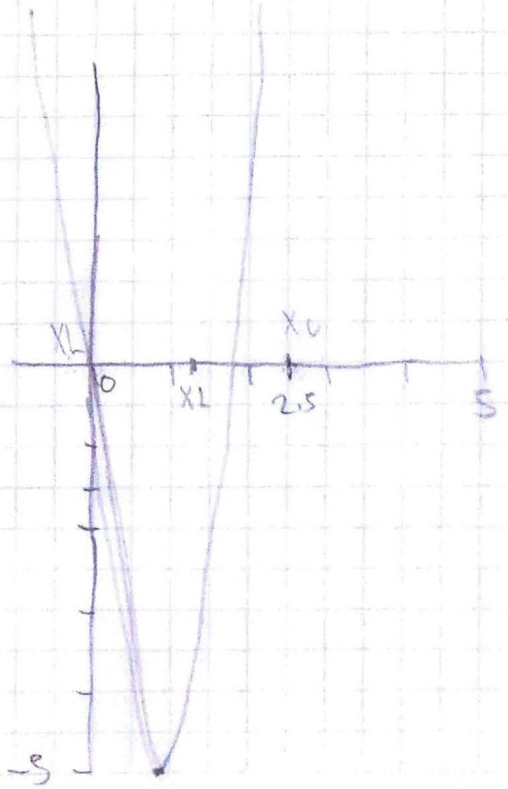
$F(X_U) = F(5) = (5)^3 + 4(5)^2 - 10(5) = 175$

$F(X_1) \cdot F(X_U) < 0$

$0 \cdot 175 = 0$

$F(X_1) \cdot F(X_U) = 0$

no existe ninguna raiz



$X_r = \frac{0 - 5}{2}$

$X_r = +\frac{5}{2}$