zeros  $\rightarrow$  x-intzeros  $\rightarrow$  -5, -1, 3

$$\begin{array}{ccc} X = -5 & X = -1 & X = 3 \\ +5 & +5 & +1 & +1 & -3 & -3 \end{array}$$

$$X + 5 = 0 \quad X + 1 = 0 \quad X - 3 = 0$$

$$y = (X + 5)(X + 1)(X - 3)$$

$$X^2 + X + 5X + 5$$

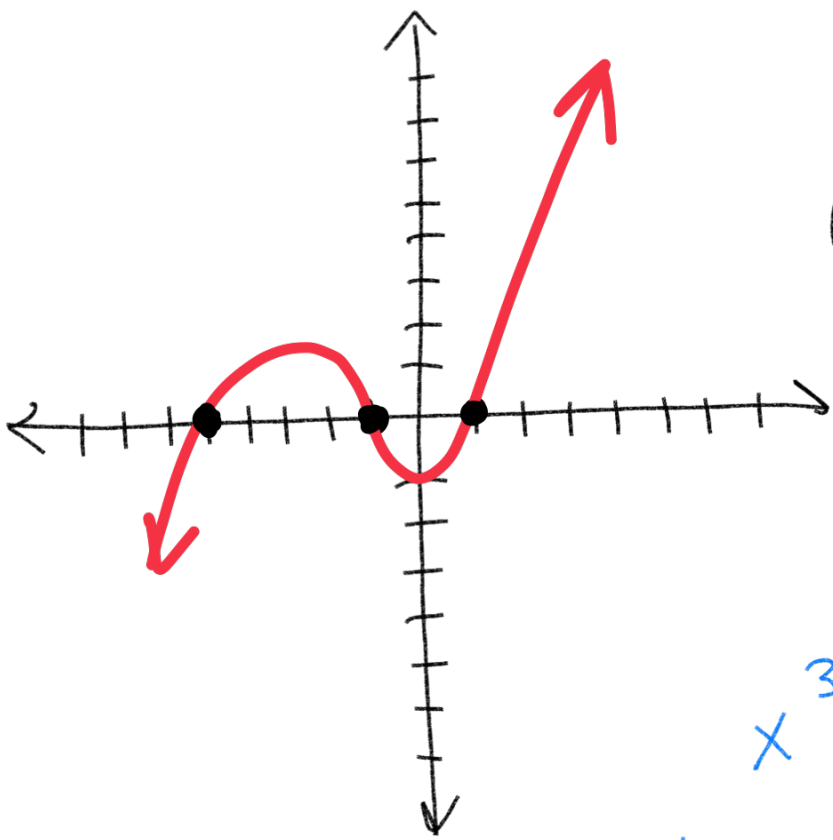
$$(X^2 + 6X + 5)(X - 3)$$

$$X^3 + 6X^2 + 5X$$

$$-3X^2 - 18X - 15$$

---


$$X^3 + 3X^2 - 13X - 15$$



Zeros:  $-5, -1, 1$

$$(x+5)(x+1)(x-1)$$

$$x^2 + x + 5x + 5$$

$$(x^2 + 6x + 5)(x-1)$$

$$x^3 + 6x^2 + 5x$$

$$+ \quad -x^2 - 6x - 5$$

$$\boxed{x^3 + 5x^2 - x - 5}$$