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

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

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

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

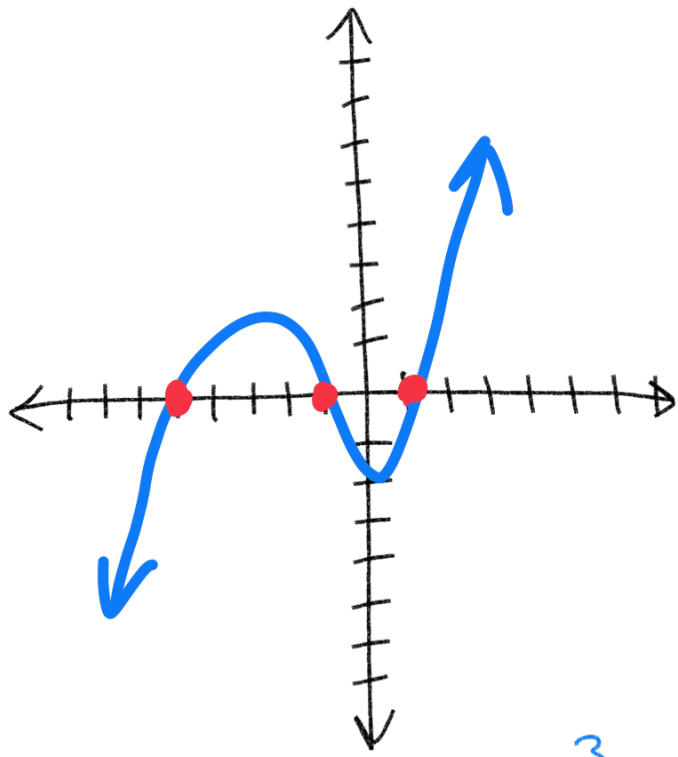
$$x^2 + x + 5x + 5$$

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

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

$$+ \quad -3x^2 \quad -18x \quad -15$$

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



zeros: $-5, -1, 1$

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

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

$$(x^2 + 4x - 5)(x+1)$$

$$x^3 + 4x^2 - 5x$$

$$x^2 + 4x - 5$$

$$x^3 + 5x^2 - x - 5$$