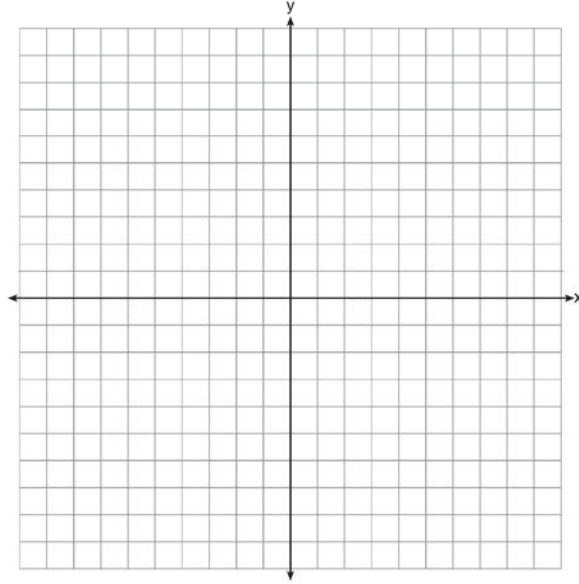


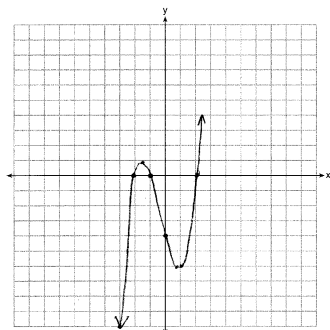
F.IF.C.7: Graphing Polynomial Functions

- 1 Find algebraically the zeros for $p(x) = x^3 + x^2 - 4x - 4$. On the set of axes below, graph $y = p(x)$.



**F.IF.C.7: Graphing Polynomial Functions
Answer Section**

1 ANS:



$$0 = x^2(x + 1) - 4(x + 1)$$

$$0 = (x^2 - 4)(x + 1)$$

$$0 = (x + 2)(x - 2)(x + 1)$$

$$x = -2, -1, 2$$

REF: 081633aii