1 Standards:

6 Analyze possible zeros for a polynomial function over the complex numbers by applying the Fundamental Theorem of Algebra, using a graph of the function, or factoring with algebraic identities.

1. $x^2 + x - 12 = 0$

2. $x^2 + 6x + 5 = 0$

3. $9x^2 - 6x + 1 = 0$

4. $x^2 - 2x + 1 = 0$

5. $x^2 - 11x + 28 = 0$

6. $2x^2 + 4x + 2 = 0$