

## FACTOR FINDER

### Factoring Polynomials

Factor each of the following polynomials completely. If the polynomial is unfactorable, write *prime*.

1)  $x^3 - 64$

2)  $x^2 - 64$

### Solving Polynomials

Find every solution to each of the following polynomials.

3)  $4a^5 = 100a^3$

4)  $2m^2 - 5m = 12$

5)  $x^4 - 16 = 0$

6)  $2c^3 + 54 = 0$