

Name _____

Date: _____

Rational, Irrational and Imaginary Zeros.

Find all Zeros, Roots, or Factors:

1. $f(x) = x^3 - x^2 + 9x - 9$

2. $f(x) = 4x^3 - 16x^2 + 9x + 9$

Zeros:

Roots:

3. $g(x) = x^4 - 5x^2 - 36$

4. $f(x) = x^4 - x^3 - 6x^2 - 50x - 100$

Factors:

Zeros:

5. $f(x) = 2x^3 - 54$

6. $h(x) = x^4 - 8x^2 - 9$

Roots:

Zeros:

7. $g(x) = 2x^5 + 3x^4 + 16x^3 + 27x^2 - 18x$

8. $f(x) = x^4 - 3x^3 - x^2 - 27x - 90$

Zeros:

Factors: