

CW/HW Solving Polynomial Functions Name: _____ Pd: _____ Date: _____
Math III

State the number and types of zeros possible, then find all zeros.

$$1. f(x) = x^3 + 2x^2 + 9x + 18$$

$$2. f(x) = x^4 - 1$$

$$3. f(x) = x^3 - 3x^2 + 25x - 75$$

$$4. f(x) = x^3 + 2x^2 - 6x + 8$$

$$5. f(x) = x^3 + 5x^2 + 17x + 13$$

$$6. f(x) = x^4 - x^3 + 10x^2 - 16x - 96$$

$$7. f(x) = x^3 + 6x^2 + 10x + 8$$

$$8. f(x) = x^3 - 6x^2 + 64x - 384$$