

MATH 1314

Chapter 2.5: Other Types OF Equations

DEGREE of an Equation

$$X + 2 = 5$$

$$2X^2 + 7X = 4$$

$$X^3 + X^2 = 4X + 4$$

Solve.

$$3X^4 = 27X^2$$

$$X^3 + X^2 = 4X + 4$$

$$\sqrt{2X - 1} + 2 = X$$

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Chapter 2.5: -2-

$$\sqrt{3X + 1} - \sqrt{2X - 1} = 1$$

$$3X^{(3/4)} - 6 = 0$$

$$X^{(2/3)} - (3/4) = - (1/2)$$

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Chapter 2.5: -3-

$$X^4 - 8X^2 - 9 = 0$$

$$|2X - 3| = 11$$

$$f(x) = 5|1 - 4x| - 15. \text{ Find the zeros of } f(x).$$