

4-1

Solving by Factoring

Objective: I can solve quadratic equations by factoring and using the zero-product property.

I can write a quadratic equation given the zeros or x-intercepts

Vocabulary: Zeros/Roots, X-Intercepts, Zero-Product Propery, Solve,







If ab = 0, then a = 0 or b = 0 or both a and b are 0









Fundamental Theorem of Algebra $z + 4x + z \rightarrow 2 Soln$ 4x5+3x2+2-> 7 50/n



<u>Check</u>

Solve by factoring: $2x^2 + 13x = -15$

Find the zeros of the function: $y = x^2 - 2x - 15$

Write an equation with zeros of 1/2 and -5

Vocabulary: Zeros/Roots, X-Intercepts, Zero-Product Propery, Solve,