**Algebra 2 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Finding Zeros Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Block: \_\_\_\_\_\_\_\_\_\_**

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| **1.) Using the Remainder Theorem, evaluate the polynomial function  for f(6).****I can use the remainder theorem to evaluate \_\_\_****I need to review this concept and try again \_\_\_\_** | **2.) Using the Remainder Theorem, evaluate the polynomial function  for f(-2).****I can use the remainder theorem to evaluate \_\_\_\_\_\_\_\_****I need to review this concept and try again \_\_\_\_\_\_\_\_\_** |
| **3.) Using the Remainder Theorem, determine if x = - 3 is a zero of the polynomial. Explain how you know.****I can use the remainder theorem to determine zeros \_\_\_\_****I need to review this concept and try again \_\_\_\_\_** | **4.) Using the Remainder Theorem, determine if x = 3 is a zero of the polynomial. Explain how you know.****I can use the remainder theorem to determine zeros \_\_\_\_\_\_****I need to review this concept and try again \_\_\_\_\_\_** |

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| **5.) List all of the possible rational, real roots of the polynomial .****I can list the possible, rational, real roots of a polynomial \_\_\_\_****I need to review this concept and try again \_\_\_\_** |
| **6.) List all of the possible, rational, real roots of the polynomial** **I can list the possible, rational, real roots of a polynomial \_\_\_\_\_\_\_\_\_\_\_\_****I need to review this concept and try again \_\_\_\_\_\_\_\_\_\_** |

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| **7.) Find all of the zeros of the polynomial function . State any solutions with multiplicity.** **I can find the zeros of a polynomial \_\_\_\_\_\_****I need to review this concept and try again \_\_\_\_\_\_\_\_****I can state multiplicity \_\_\_\_\_\_****I need to review this concept and try again \_\_\_\_\_\_\_\_** | **8.) Find all of the zeros of the polynomial function . State any solutions with multiplicity.****I can find zeros of polynomials \_\_\_\_\_\_\_\_\_\_\_\_****I need to review this concept and try again \_\_\_\_\_\_\_\_****I can state multiplicity \_\_\_\_\_\_\_\_\_\_\_\_****I need to review this concept and try again \_\_\_\_\_\_\_\_** |
| **9.) Find all of the zeros of the polynomial function. State any solutions with multiplicity.****I can find the zeros of a polynomial \_\_\_\_\_\_****I need to review this concept and try again \_\_\_\_\_\_****I can state multiplicity \_\_\_\_\_\_****I need to review this concept and try again \_\_\_\_\_\_\_\_** | **10.) Find all of the zeros of the polynomial function . State any solutions with multiplicity.****I can find the zeros of a polynomial \_\_\_\_\_\_****I need to review this concept and try again \_\_\_\_\_\_****I can state multiplicity \_\_\_\_\_\_****I need to review this concept and try again \_\_\_\_\_\_\_\_** |