# HW # 6 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Finding Real Roots DAY TWO Period: \_\_\_

I. Use the Rational Root Theorem to identify all the POSSIBLE rational roots.

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| 1.  | 2.  |

II. Use the Irrational and Complex Root Theorems to find the smallest possible degree of the polynomial with the given roots.

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| 3.  | 4. $3i, 2-2\sqrt{2} , 6$ |

III. Identify all the real roots of each equation. GIVE EXACT VALUES. No decimals.

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| 5.  |
| 6.  |
| 7.  |