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| Pre-Calculus 2.4 Complex Zeros WS |  |
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| 4. |  | 5. |  | 6. |  |
| **For #9-11 Use the given zeros to write a polynomial equation of least degree with real coefficients in standard form.**  |
| 9. |  | 10. |  | 11. |  |
| **For #12-14 Use the given zeros and long division to find the factored form of each polynomial.**  |
| 12. | With zeros  | 13. | With zeros  | 14. | With zero  |

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|  | Example: with zeros: Step 1: write the zeros in factored form (given I’ll write )Step 2: multiply out the factored form of the given zeros (so this becomes )Step 3: use long division to divide your step 2 result into the larger polynomial Step 4: Rewrite the original in factored form -you may need to continue factoring.  |
| 12. | With zeros \* this is the example, but you still need to work out the full solution following the steps above to help you learn!\* | 13. | With zeros  | 14. | With zero  |