

Name: \_\_\_\_\_

Date: \_\_\_\_\_

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| 1. | Domain: $(-\infty, \infty)$ Range: _____<br>Zeros: _____ Y-int: _____<br>Rel. Max: _____ Rel. Min: <b>None</b><br>Abs. Max: _____ Abs. Min: _____<br>Inc: $(-\infty, -1)$ Dec: $(-1, \infty)$<br>Even, Odd or Neither?: <b>neither</b><br>$x \rightarrow \infty, f(x) \rightarrow$ _____<br>$x \rightarrow -\infty, f(x) \rightarrow$ _____<br>Degree (Name): _____<br>Number of Terms (name): _____ |
| 2. | Domain: $(-\infty, \infty)$ Range: _____<br>Zeros: _____ Y-int: _____<br>Rel. Max: _____ Rel. Min: $(-.57, -3.12) \cup (3, 0)$<br>Abs. Max: _____ Abs. Min: _____<br>Inc: _____ Dec: _____<br>Even, Odd or Neither?: _____<br>$x \rightarrow \infty, f(x) \rightarrow \infty$<br>$x \rightarrow -\infty, f(x) \rightarrow \infty$<br>Degree (Name): <b>Quartic</b><br>Number of Terms (name): _____  |
| 3. | Domain: _____ Range: $(-\infty, \infty)$<br>Zeros: _____ Y-int: $(0, 0)$<br>Rel. Max: _____ Rel. Min: _____<br>Abs. Max: _____ Abs. Min: _____<br>Inc: _____ Dec: _____<br>Even, Odd or Neither?: <b>Odd</b><br>$x \rightarrow \infty, f(x) \rightarrow$ _____<br>$x \rightarrow -\infty, f(x) \rightarrow$ _____<br>Degree (Name): _____<br>Number of Terms (name): _____                           |

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| 4. | Domain: $(-\infty, \infty)$ Range: _____<br>Zeros: _____ Y-int: _____<br>Rel. Max: _____ Rel. Min: <b>(0, -4)</b><br>Abs. Max: _____ Abs. Min: _____<br>Inc: _____ Dec: _____<br>Even, Odd or Neither?: <b>Even</b><br>$x \rightarrow \infty, f(x) \rightarrow$ _____<br>$x \rightarrow -\infty, f(x) \rightarrow$ _____<br>Degree (Name): _____<br>Number of Terms (name): <b>Trinomial</b>                              |
| 5. | Domain: $(-\infty, \infty)$ Range: _____<br>Zeros: _____ Y-int: <b>(0, 6)</b><br>Rel. Max: _____ Rel. Min: _____<br>Abs. Max: _____ Abs. Min: _____<br>Inc: _____ Dec: _____<br>Even, Odd or Neither?: _____<br>$x \rightarrow \infty, f(x) \rightarrow$ _____<br>$x \rightarrow -\infty, f(x) \rightarrow$ _____<br>Degree (Name): <b>Quadratic</b><br>Number of Terms (name): <b>Trinomial</b>                          |
| 6. | Domain: $(-\infty, \infty)$ Range: _____<br>Zeros: _____ Y-int: <b>(0, 0)</b><br>Rel. Max: _____ Rel. Min: <b>(-1.72, -50.79), (1.62, -9.91)</b><br>Abs. Max: _____ Abs. Min: _____<br>Inc: _____ Dec: _____<br>Even, Odd or Neither?: _____<br>$x \rightarrow \infty, f(x) \rightarrow \infty$<br>$x \rightarrow -\infty, f(x) \rightarrow -\infty$<br>Degree (Name): _____<br>Number of Terms (name): <b>Polynomial</b> |

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