

PreCalculus Honors 12-13
Advanced Curve Sketching Group Quiz
Page 1

Name _____

Directions: Round at 3 decimal places.
Show all work.

1. Find the Extremes of $y = \left(x - \frac{1}{2}x^2\right) e^{-x}$

2. Find the Points of Inflection of $f(x) = x^3 - x^2 - 8x + 8$.

3. Make a Key Trait Table (without Zeros) for $y = \frac{9 - x^2}{4x^2 + 16}$.

4. Sketch $y = \sqrt{x^4 - 5x^2 + 4}$, labeling all the Key Traits.

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