

## Sample problems for the Advanced Placement Exam for Math 1111

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

Directions: Please complete each question in the space provided. No books, notes, calculators or electronic devices allowed. Please BOX your answers.

1. Factor:  $x^2 + 10x + 25 - 9y^2$

2. Solve:  $\frac{5}{x+1} + \frac{x-1}{4} = 2$

3. Solve:  $e^{12-5x} - 7 = 123$