

QUIZ 9 - MATH 111

Friday, April 26

YOUR NAME: _____

George Voutsadakis

Read each problem **very carefully** before starting to solve it and do only what is asked. Each problem is worth around 5 points. It is necessary to show **all** your work. Correct answers without explanations are worth 0 points. GOOD LUCK!!

1. [4 points] Solve the system and give your solutions in point form.

$$\left\{ \begin{array}{l} (x - 2)^2 + y^2 = 8 \\ x + y = 2 \end{array} \right\}$$

2. [6 points] Decompose into partial fractions $\frac{5}{(x+1)(x^2+4)}$.