QUIZ 10 - MATH 111   Friday, April 25
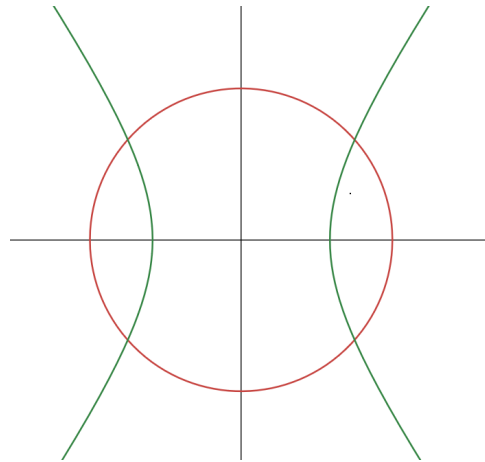## YOUR NAME:_____   George Voutsadakis

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. [6 points] Solve the system of nonlinear equations

$$\left\{ \begin{array}{rcl} x^2 + y^2 & = & 16 \\ 2x^2 - y^2 & = & 11 \end{array} \right\}$$

2. [6 points] Decompose the following fraction into partial fractions.

$$\frac{7x - 1}{x^2 - 4x - 5}.$$