

QUIZ 10 - MATH 111

Thursday, December 7

YOUR NAME: \_\_\_\_\_

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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] Graph the solution set of the system

$$\left\{ \begin{array}{l} y \geq x^2 - 1 \\ y - 2x \geq 2 \end{array} \right\}$$

2. [6 points] Decompose the given rational expression into partial fractions

$$\frac{x - 6}{x^2 + 3x - 4}$$