

Quiz 6 — 17 October 2019

Answer the questions in the spaces provided. **Show all of your work and circle the answer you would like to have graded for each question.**

Name and section: _____

1. Solve the rational inequality

$$\frac{4x - 1}{x - 6} \geq 3.$$

2. Solve the following system of linear equations:

$$\begin{cases} 3x + 2y = 7 \\ 2x + 5y = 1 \end{cases}$$

3. Use the One-to-One property to solve the equation $e^{x^2+6} = e^{5x}$.