

Math 114 Assignment 6.3

Name: _____

DIRECTIONS To receive full credit, you must provide complete solutions to the following problems in the space provided. Transfer all your answers to the space provided on the test paper.

1. Simplify $\frac{\frac{3}{2x}}{\frac{3}{x}}$ Ans _____

2. Simplify $\frac{2 + \frac{4}{x}}{3 - \frac{1}{x}}$ Ans _____

3. Divide $\frac{\frac{1}{w+5} - \frac{1}{w}}{5}$ Ans _____

4. Simplify $\frac{a - \frac{2}{a+1}}{\frac{1}{a+1} - a}$ Ans _____

5. Simplify $\frac{\frac{x+2}{x-2} - \frac{x-2}{x+2}}{\frac{x-2}{x+2} + \frac{x+2}{x-2}}$ Ans _____

6. Simplify $1 + \frac{1}{1 + \frac{1}{x}}$ Ans _____