

Calculus I

Name: _____

DLA Series 4

Class: _____

Due Date: _____

Score: _____

No Work $\Leftrightarrow$ No Points

Use Pencil Only $\Leftrightarrow$ Be Neat & Organized

1. (4 points) Simplify: $\frac{x - \frac{9}{x}}{x - 6 + \frac{9}{x}}$

1. _____

2. (4 points) Simplify: $\frac{2 + \frac{5}{x} - \frac{3}{x^2}}{2 - \frac{5}{x} + \frac{2}{x^2}}$

2. _____

3. (5 points) Simplify: $\frac{\frac{x-6}{x^2-9}}{\frac{x^2-36}{x+3}}$

3. _____

4. (5 points) Simplify: $\frac{x^{-2} - 4y^{-2}}{x^{-1} + 2y^{-1}}$

4. _____

5. (6 points) Simplify: $\frac{\frac{1}{y} + \frac{2}{y+2}}{\frac{4}{y} - \frac{3}{y+2}}$

5. _____

6. (6 points) Simplify: $\frac{\frac{1}{x+4} + \frac{1}{x-4}}{x}$

6. _____