

Math 181 Honors Quiz 4 Version A

1. Solve the inequality $\frac{2}{x+2} > \frac{x+2}{2}$.

2. Use the method of increments to compute $\frac{dy}{dx}$ where $y = \sqrt{x}$.

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3. Solve the inequality $x^2 - 5x + 2 > 0$.

4. Use the δ - ϵ definition of limit to verify $\lim_{x \rightarrow 2} x^2 = 4$.