

Math 181 Quiz 1 Version A

1. Explain what $\lim_{x \rightarrow a} f(x) = L$ means in terms of inequalities using δ and ϵ .

2. Use algebraic simplifications to find the limits

(i) $\lim_{x \rightarrow 3} \frac{x^2 - x - 6}{x - 3}$

(ii) $\lim_{x \rightarrow 4} \frac{2 - \sqrt{x}}{x - 4}$