

Name:

Sec. 2.3 - Limit calculations

Math 251 – Fall 2018

1. If $4x - 9 \leq f(x) \leq x^2 - 4x + 7$, find the $\lim_{x \rightarrow 4} f(x)$.

2. Calculate $\lim_{t \rightarrow 0} \frac{\sqrt{1+t} - \sqrt{1-t}}{t}$

3. Find $\lim_{x \rightarrow 0^+} \sqrt{x} e^{\sin(\frac{\pi}{x})}$