

Math 114 Fall 2016
Calculus I HW 6 Solutions
Due Friday, October 21

1. Compute $\lim_{x \rightarrow +\infty} x - \sqrt{x}$.
2. Compute $\lim_{x \rightarrow -\infty} \sqrt{9x^2 + x} - 3x$.
3. Compute $\lim_{x \rightarrow +\infty} \frac{x^3 + 3x + \sqrt{x}}{3x^3 - 5x^2 + 1}$
4. Compute $\lim_{x \rightarrow -\infty} \frac{x}{\sqrt{x^2 - 5}}$.
5. Stewart 2.1.4
6. (★) Stewart 2.1.12
7. Stewart 2.1.16
8. Stewart 2.1.18
9. Stewart 2.1.20
10. Stewart 2.1.30
11. (★) Stewart 2.1.32
12. (★) Stewart 2.1.34