

Math 114 Fall 2018
Calculus I HW 4
Due Wednesday, October 3

1. Stewart 1.4.22
2. Stewart 1.4.24
3. Stewart 1.4.26
4. Stewart 1.6.14
5. Stewart 1.6.18
6. Stewart 1.6.20
7. Stewart 1.6.22
8. Stewart 1.6.24
9. By any means we have developed in class, compute $\lim_{x \rightarrow +\infty} x - \sqrt{x}$.
10. Stewart 1.4.34
11. Stewart 1.4.36
12. (★) Using the squeeze theorem, show that

$$\lim_{x \rightarrow -2} \frac{x+2}{2 + \sin\left(\frac{1}{x+2}\right)} = 0.$$