Mani 191 - Holliework 1	Math	131	_	Homework	1
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February 3, 2021

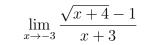
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The following problems are from the suggested homework. Show all work to receive full credit. Supply explanations when necessary. This assignment is due on February 10.

1. (2 points) Let $f(x) = (1+x)^{1/x}$. Make a table showing the values of f at $x = \pm 0.001$, $x = \pm 0.0001$, and $x = \pm 0.00001$. Use your table to estimate $\lim_{x\to 0} f(x)$.

2. (2 points) In the online version of the textbook, do problems 46–49 in section 2.2.

3. (2 points) Evaluate the limit:



4. (2 points) In the online version of the textbook, do problems 119 and 121 in section 2.3.

5. (2 points) In the online version of the textbook, do problem 154 in section 2.4.