Math 114 Fall 2017
Calculus I HW 2
Due Wednesday, September 13

1. Find, with proof, $\lim_{x \to 3} 4x$.

2. Find, with proof, $\lim_{x \to 2} (x+1)^2$.

3. Find, with proof, $\lim_{x \to 1} x^2$.

4. Find, with proof, $\lim_{x \to 3} \dfrac{x^2 - 9}{x - 3}$.

5. ⋆ Find, with proof, $\lim_{x \to 2} \dfrac{1}{x - 1}$.

6. (⋆) Find (with proof) $\lim_{x \to 5} \frac{1}{x-4}$.