Math 11 - Adv. Algebra & Trig

math.mnrt.net **Term 3 – Quiz 3** **May 16, 2014**

Name: _____ Score: _____ of **19** points. Percent: _____ Grade: _____

(10 pts) 1. Find $\lim_{x\to 1} \frac{x^2-1}{x-1}$.

2. The floor function $\lfloor x \rfloor$ means the greatest integer in x. For example, $\lfloor 2.8 \rfloor = 2$. Find each limit or state that it does not exist.

(3 pts) (a) Find $\lim_{x\to 3^-} \lfloor x \rfloor$.

(3 pts) (b) Find $\lim_{x\to 3^+} \lfloor x \rfloor$.

(3 pts) (c) Find $\lim_{x\to 3} \lfloor x \rfloor$.