$lim_{x \to a} f(x) = f(a)$ if $f(a)$ is defined.

A) True **B)** False

If $y = f(t)$ represents the miles a car travels after t hours, then $f'(t)$ is the velocity of that car.

A) True **B)** False

2.2.3 [P] You're trying to guess $\lim_{x \to 0} f(x)$. You plug in $x = 0.1, 0.01, 0.001, \ldots$ and get $f(x) = 0$ for all these values. In fact, you're told that for all $n = 1, 2, \ldots$, we have $f(1)$, $f(\frac{1}{10^n}) = 0$.

True or **False**: Since the sequence 0.1, 0.01, 0.001, . . . goes to 0, we know $\lim_{x \to 0} f(x) = 0$.