

10.  $f(x) = \begin{cases} x^2 & \text{if } x \leq 1 \\ 0.987 & \text{if } x > 1 \end{cases}$  is continuous everywhere except at  $x = 1$ , where it is left continuous but not right continuous because  $0.987 \neq 1$ . Close, as they say, but no cigar.