

- 18.** $\lim_{x \rightarrow 3^-} g(x) = 3 - m$ and $\lim_{x \rightarrow 3^+} g(x) = 1 - 3m = g(3)$. Thus g will be continuous at $x = 3$ if $3 - m = 1 - 3m$, that is, if $m = -1$.