

Problem 18, Section 2.5

Refer to the figure for Exercises 15-20 on page 126 of your text. Is it true or false that

$$\lim_{x \rightarrow 4^-} f(x) = 3.$$

It is true. The limit as x goes to 4 from the left-hand side is 3 because the function exists and tends to 3 as x approaches 4 from the left.