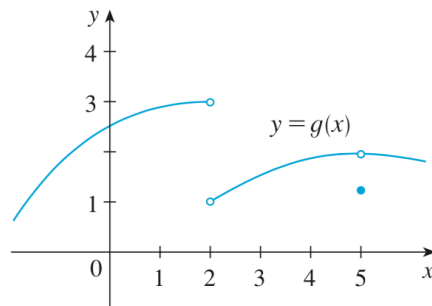


### Quiz 3

Name: \_\_\_\_\_

Evaluate the following quantities based on the graph of  $g(x)$  given below. If a value or limit does not exist, say why.



1.  $\lim_{x \rightarrow 2^-} g(x) = 3$

3.  $\lim_{x \rightarrow 2} g(x)$  This limit does not exist. The left and right-handed limits do not agree.

2.  $\lim_{x \rightarrow 5} g(x)$  The curve approaches y-values of 2. We should ignore the dot right at  $x = 5$  since limits only care about nearby outputs.

4.  $g(5) = 1$