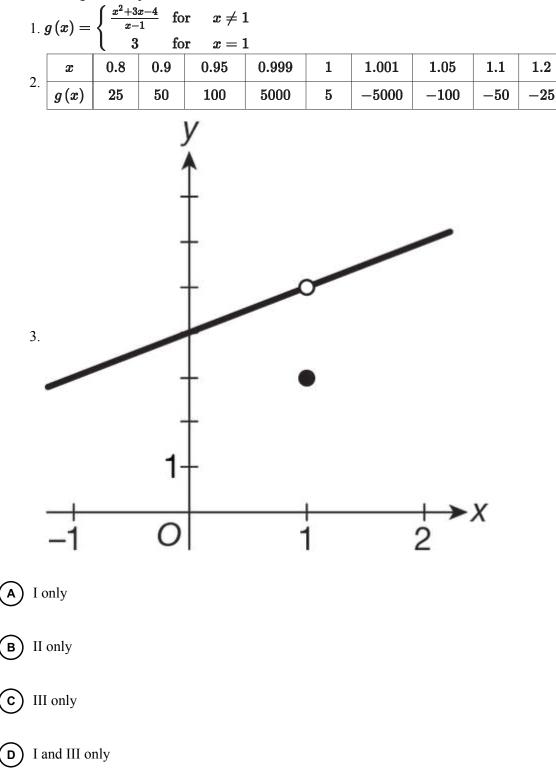
Name

1. Let g be a function that is increasing for x < 1 and increasing for x > 1. If  $\lim_{x \to 1} g(x) = 5$ , which of the following could represent the function g?



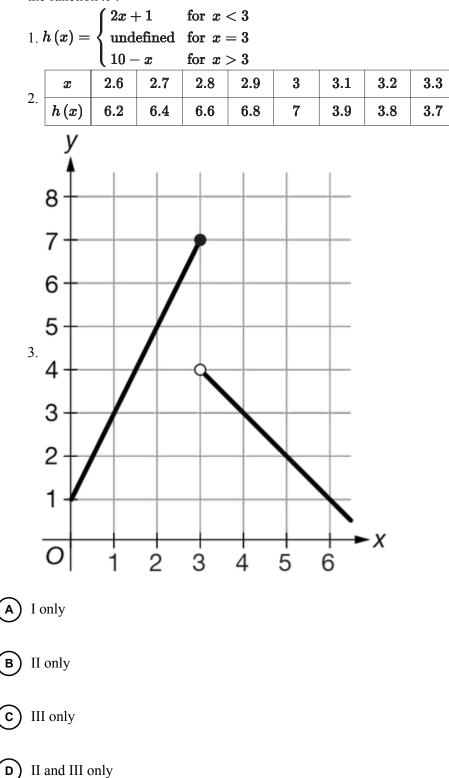


## Quiz 1.9

2. If h is a piecewise linear function such that  $\lim_{x\to 3} h(x)$  does not exist, which of the following could represent the function h?

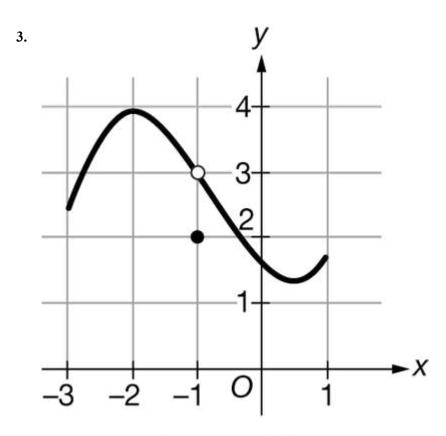
**3.4** 

3.6





Quiz 1.9



## Graph of f

The graph of the function f is shown above. Which of the following could be a table of values for f?

| <b>A</b>   | x                | -1.05 | -1.001 | -1     | -0.     | 999    | -0    | .95   |  |
|------------|------------------|-------|--------|--------|---------|--------|-------|-------|--|
|            | f(x)             | 3.074 | 3.001  | 2      | 1.998   |        | 1.924 |       |  |
|            | x                | -1.05 | -1.001 | -1     | -0.     | -0.999 |       | -0.95 |  |
| В          | f(x)             | 3.074 | 3.001  | 2      | 2.998   |        | 2.924 |       |  |
| $\bigcirc$ | $\boldsymbol{x}$ | -1.05 | -1.001 | -1     | -0.     | 999    | -0.95 |       |  |
| (c)        | f(x)             | 3.074 | 3.001  | 3      | 2.9     | 98     | 2.9   | 2.924 |  |
| D          | x                | -1.05 | -1.001 | -1     | L       | -0.    |       | -0.95 |  |
|            | f(x)             | 3.074 | 3.001  | undefi | ned 2.9 |        | 98    | 2.924 |  |
|            |                  |       |        |        |         |        |       |       |  |