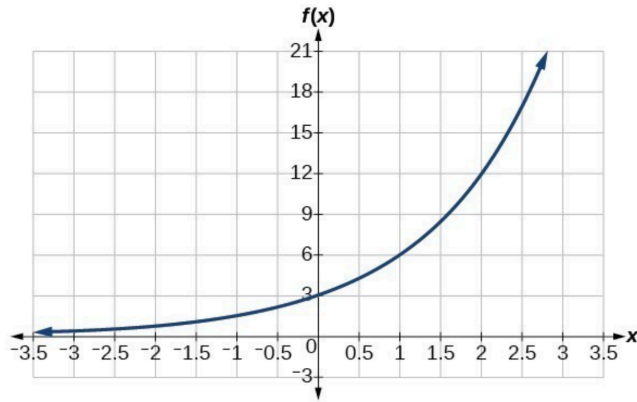


UNIT 4 BENCHMARK 3 I CAN DETERMINE END BEHAVIOR OF A FUNCTION FROM ITS GRAPH

Problem 1

Determine the end behavior of the function below.

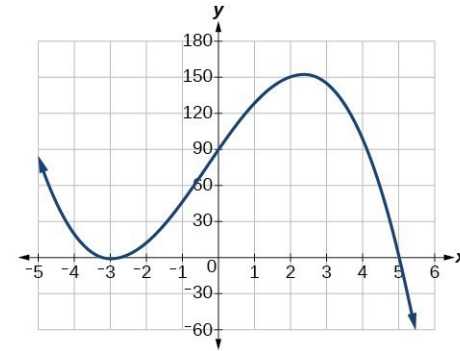


- As $x \rightarrow \infty$, $y \rightarrow$ _____
- As $x \rightarrow -\infty$, $y \rightarrow$ _____

Unit 4 BM 3: End behavior

Problem 2

Determine the end behavior of the function below.

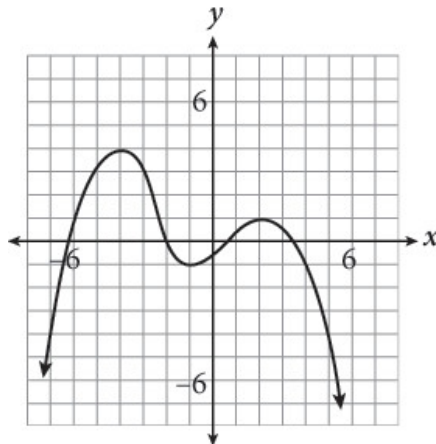


- As $x \rightarrow \infty$, $y \rightarrow$ _____
- As $x \rightarrow -\infty$, $y \rightarrow$ _____

Unit 4 BM 3: End behavior

Problem 3

Draw the graph of $f(x)$

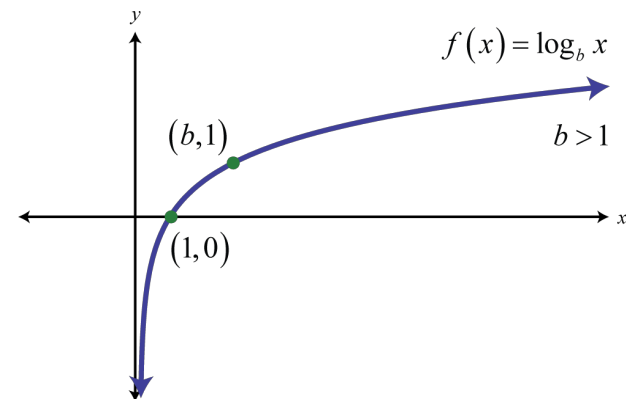


- As $x \rightarrow \infty$, $y \rightarrow$ _____
- As $x \rightarrow -\infty$, $y \rightarrow$ _____

Unit 4 BM 3: End behavior

Problem 4

Determine the end behavior of the function below.

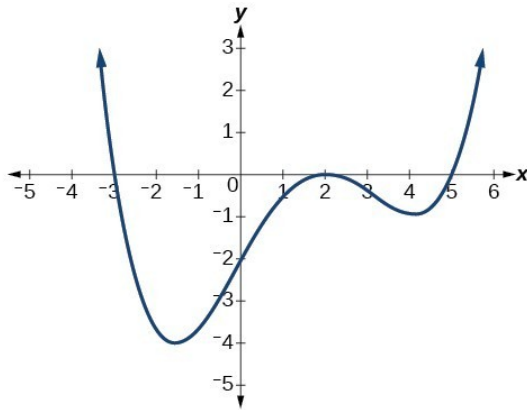


- As $x \rightarrow \infty$, $y \rightarrow$ _____
- As $x \rightarrow -\infty$, $y \rightarrow$ _____

Unit 4 BM 3: End behavior

Problem 5

Determine the end behavior of the function below.

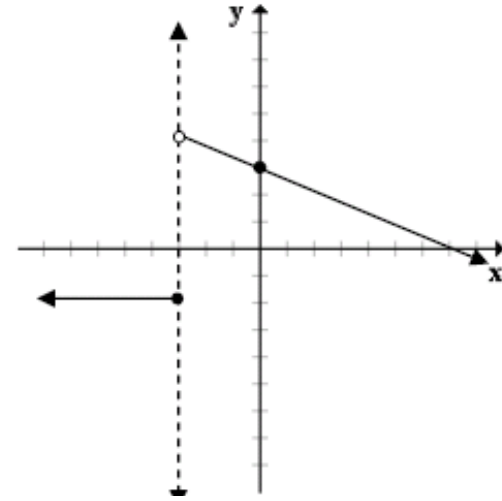


- a. As $x \rightarrow \infty$, $y \rightarrow$ _____
- b. As $x \rightarrow -\infty$, $y \rightarrow$ _____

Unit 4 BM 3: End behavior

Problem 6

Determine the end behavior of the function below.

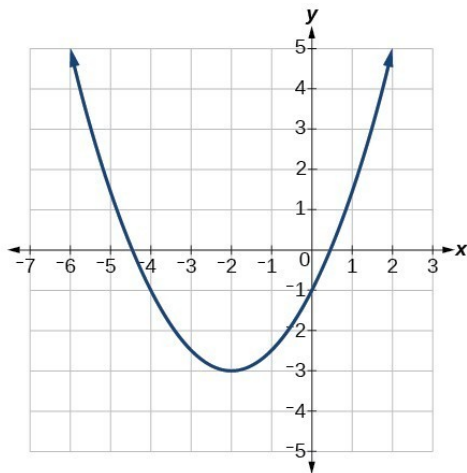


- a. As $x \rightarrow \infty$, $y \rightarrow$ _____
- b. As $x \rightarrow -\infty$, $y \rightarrow$ _____

Unit 4 BM 3: End behavior

Problem 7

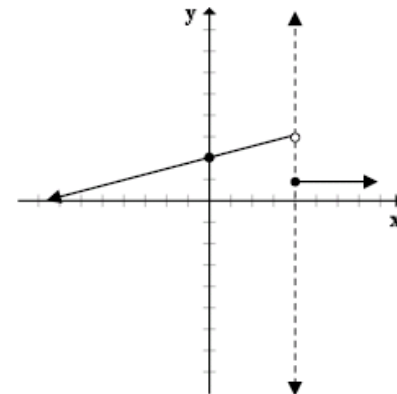
Determine the end behavior of the function below.



- a. As $x \rightarrow \infty$, $y \rightarrow$ _____
- b. As $x \rightarrow -\infty$, $y \rightarrow$ _____

Unit 4 BM 3: End behavior

Determine the end behavior of the function below.



- a. As $x \rightarrow \infty$, $y \rightarrow$ _____
- b. As $x \rightarrow -\infty$, $y \rightarrow$ _____

Unit 4 BM 3: End behavior