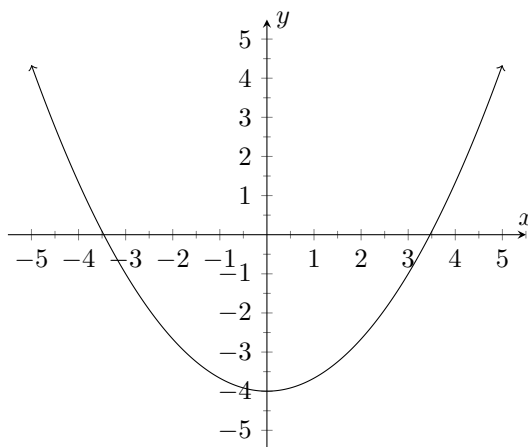


HLT Practice

Practice for Horizontal Line Test.

Problem 1 Consider the following graph.



Does this graph represent a function?

Multiple Choice:

- (a) Yes. ✓
- (b) No.

Feedback(attempt): Remember that the Vertical line test tells you if a graph is likely to represent a function.

Problem 1.1 Is this graph invertible?

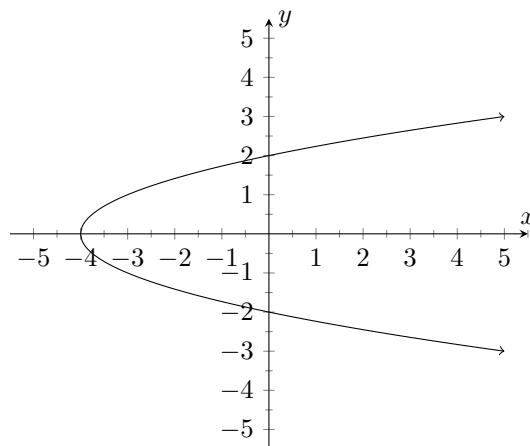
Multiple Choice:

- (a) Yes
- (b) No ✓

Feedback(attempt): Recall that the Horizontal line test tells you if the graph is likely to be invertible.

Learning outcomes:

Problem 2 Consider the following graph.



Does this graph represent a function?

Multiple Choice:

- (a) Yes.
- (b) No. ✓

Feedback(attempt): Remember that the Vertical line test tells you if a graph is likely to represent a function.

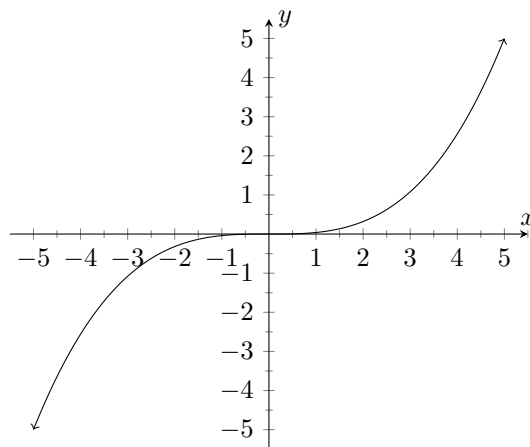
Problem 2.1 Is this graph invertible?

Multiple Choice:

- (a) Yes ✓
- (b) No

Feedback(attempt): Recall that the Horizontal line test tells you if the graph is likely to be invertible.

Problem 3 Consider the following graph.



Does this graph represent a function?

Multiple Choice:

- (a) Yes. ✓
- (b) No.

Feedback(attempt): Remember that the *Vertical line test* tells you if a graph is likely to represent a function.

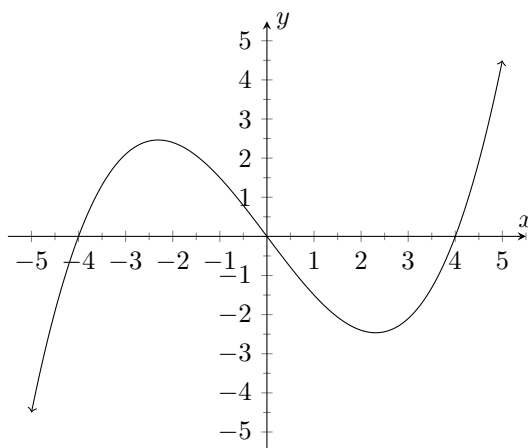
Problem 3.1 Is this graph invertible?

Multiple Choice:

- (a) Yes ✓
- (b) No

Feedback(attempt): Although this may appear to have a horizontal segment near the origin, it in fact does not. This is a good example of why graphing can be misleading at times.

Problem 4 Consider the following graph.



Does this graph represent a function?

Multiple Choice:

- (a) Yes. ✓
- (b) No.

Feedback(attempt): Remember that the Vertical line test tells you if a graph is likely to represent a function.

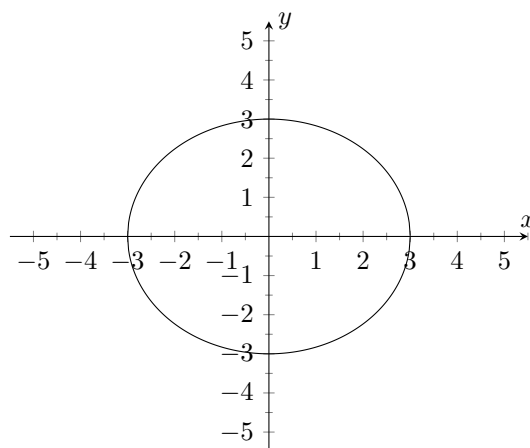
Problem 4.1 Is this graph invertible?

Multiple Choice:

- (a) Yes
- (b) No ✓

Feedback(attempt): Recall that the Horizontal line test tells you if the graph is likely to be invertible.

Problem 5 Consider the following graph.



Does this graph represent a function?

Multiple Choice:

- (a) Yes.
- (b) No. ✓

Feedback(attempt): Remember that the Vertical line test tells you if a graph is likely to represent a function.

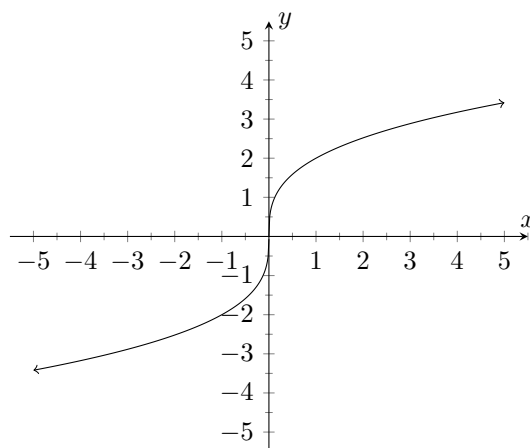
Problem 5.1 Is this graph invertible?

Multiple Choice:

- (a) Yes
- (b) No ✓

Feedback(attempt): Recall that the Horizontal line test tells you if the graph is likely to be invertible.

Problem 6 Consider the following graph.



Does this graph represent a function?

Multiple Choice:

- (a) Yes. ✓
- (b) No.

Feedback(attempt): Although this may look like it has a vertical segment right near the origin, it in fact doesn't. This is a good example of why graphing can be a bit misleading at times.

Problem 6.1 Is this graph invertible?

Multiple Choice:

- (a) Yes ✓
- (b) No

Feedback(attempt): Recall that the Horizontal line test tells you if the graph is likely to be invertible.
