

A sample collection of activities

Bart Snapp

January 20, 2014

Contents

1 Evaluating Functions

In this activity we practice evaluating functions at numbers and other functions.

Theorem 1 (Hello)

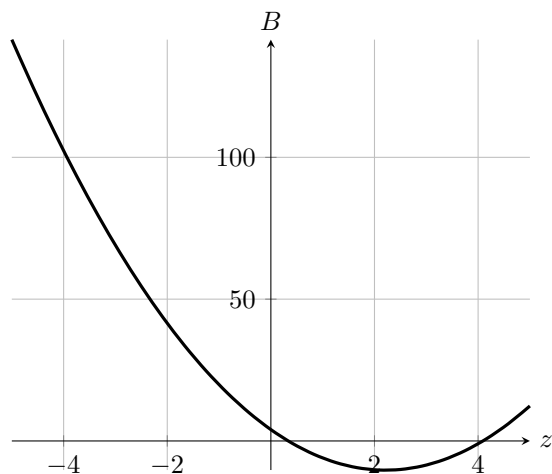
solution Obvious!¹ ■

Exercise 1 Given that $f(x) = -5x^4 + 2x^3 + x^2 - 3x + 2$, evaluate $f(3.9)$.²

Question 2

- (a) Hello!
 - (b) NO!
-

Question 3 In the plot below, is B a function of z ?



- (a) Yes.
- (b) No.

Use the plot to compute $B(0)$ Is B^{-1} a function of z on the domain $[-10, 141]$?

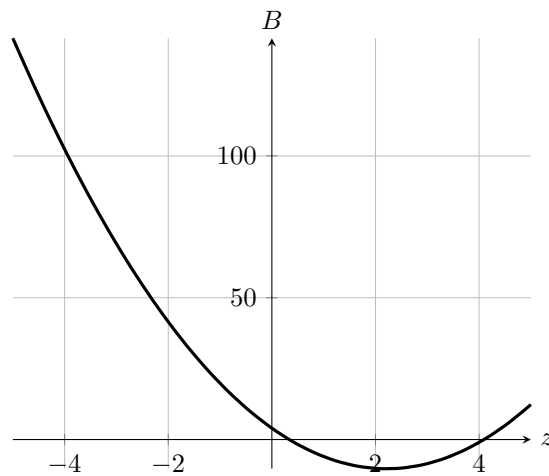
- (a) Yes.
 - (b) No.
-

¹Link: <http://lkjflkdjf>

²Video link: [hello](#)

Restrict the domain of B to $[3, 5]$ and compute $B^{-1}(4)$.

Question 4 In the plot below, is B a function of z ?



(a) Yes.

(b) No.

Use the plot to compute $B(0)$ Is B^{-1} a function of z on the domain $[-10, 141]$?

(a) Yes.

(b) No.

Restrict the domain of B to $[3, 5]$ and compute $B^{-1}(4)$.

2 Second Example

In this activity we give a second description

Theorem 2 (Hello)

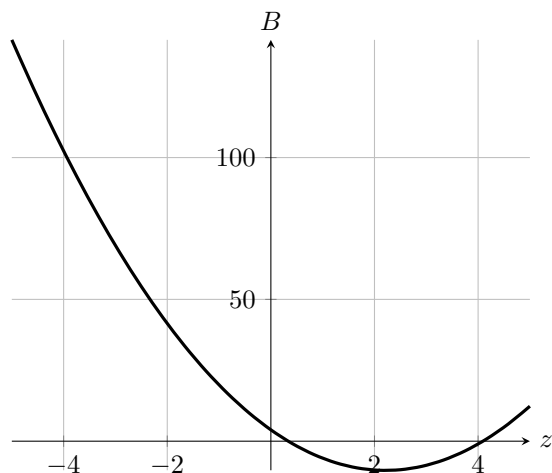
solution Obvious!³ ■

Exercise 1 Given that $f(x) = -5x^4 + 2x^3 + x^2 - 3x + 2$, evaluate $f(3.9)$.⁴

Question 2

- (a) Hello!
- (b) NO!

Question 3 In the plot below, is B a function of z ?



- (a) Yes.
- (b) No.

Use the plot to compute $B(0)$ Is B^{-1} a function of z on the domain $[-10, 141]$?

- (a) Yes.
- (b) No.

Restrict the domain of B to $[3, 5]$ and compute $B^{-1}(4)$.

³Link: <http://lkjflkdjf>

⁴Video link: [hello](#)