Math 1314
Homework 4

Enter your answers in the EMCF titled “Homework 4” at casa.uh.edu before the due date/time.

1. Problem 2.1.48
   A. 1
   B. 0
   C. -2
   D. 2
   E. Does not exist

2. Problem 2.2.6. Find \( \lim_{x \to \infty} f(x) \).
   A. -3
   B. 3
   C. 8
   D. -8
   E. Does not exist

3. Problem 2.2.8. Find \( \lim_{x \to -\infty} f(x) \).
   A. 2
   B. Does not exist
   C. 3
   D. -1
   E. -3

4. Problem 2.2.26
   A. 6
   B. Does not exist
   C. 2
   D. 0
   E. \(-\frac{2}{3}\)

5. Problem 2.2.30
   A. \(\frac{2}{3}\)
   B. \(\frac{7}{9}\)
6. Problem 2.1.4

A. -1
B. Does not exist
C. 2
D. 1
E. 3

7. Problem 2.1.16

A. 7
B. 3
C. -3
D. Does not exist
E. -1

8. Problem 2.1.30

A. 0
B. 9
C. 1
D. Does not exist
E. 7

9. Problem 2.1.40

A. -7
B. 7
C. 0
D. 1
E. Does not exist

10. Problem 2.1.46

A. 0  B. Does not exist  C. $\frac{1}{4}$  D. $\frac{1}{2}$  E. 1