Math 1314
Homework 4

Enter your answers in the EMCF titled "Homework 4" at casa.uh.edu before the due date/time.
In the problem numbers given below, Problem 2.1 42 refers to Chapter 2, Section 1, Problem 42.
The problems can be found in the online text.

1. **Problem 2.1.4**

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

2. **Problem 2.1.16**

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

3. **Problem 2.1.30**

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

4. **Problem 2.1.40**

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

5. **Problem 2.1.46**

    A. $\dfrac{1}{4}$

    B. Does not exist

    C. $\dfrac{1}{2}$

    D. 1

    E. 0

6. **Problem 2.1.48**

    A. -2

    B. Does not exist

    C. 2

    D. 1

    E. 0

7. **Problem 2.2.6.** Find $\lim\limits_{x \to \infty} f(x)$.

    A. -3

    B. 8

    C. 3

    D. -8

    E. Does not exist

8. **Problem 2.2.8**. Find $\lim\limits_{x \to -\infty} f(x)$

    A. 2

    B. Does not exist

    C. -3

    D. -1

    E. 3

9. **Problem 2.2.26**

    A. $\dfrac{-2}{3}$

    B. Does not exist

    C. 2

    D. 6

    E. 0

10. Problem 2.2.30

    A. $\dfrac{2}{9}$

    B. $\dfrac{2}{3}$

    C. $\dfrac{7}{9}$

    D. 0

    E. Does not exist