

Math 1300
Homework 5
Section 1.7

The homework problems come from the exercises in Chapter 1 of the online text.
Problem 1.7.16 refers to Chapter 1, Section 7, problem number 16.

1. 1.7.16

- a. $(-5, \infty)$
- b. $[-5, \infty)$
- c. $(-\infty, -5)$
- d. $(-\infty, -5]$
- e. None of the above

2. 1.7.18

- a. $[7, \infty)$
- b. $(-\infty, 7]$
- c. $(7, \infty)$
- d. $(-\infty, 7)$
- e. None of the above

3. 1.7.20

- a. $(-7, 2)$
- b. $[-7, 2)$
- c. $[-7, 2]$
- d. $(-7, 2]$
- e. None of the above

4. 1.7.36a Write the answer in interval notation.

- a. $[8, \infty)$
- b. $(-\infty, 8)$
- c. $(8, \infty)$
- d. $(-\infty, 8]$
- e. None of the above

5. 1.7.38a Write the answer in interval notation.

- a. $[-10, \infty)$
- b. $(-10, \infty)$
- c. $(-\infty, -10)$
- d. $(-\infty, -10]$
- e. None of the above

6. 1.7.40a Write the answer in interval notation.

- a. $(-\infty, -7)$
- b. $[-7, \infty)$
- c. $(-7, \infty)$
- d. $(-\infty, -7]$
- e. None of the above

7. 1.7.44a Write the answer in interval notation.

- a. $[1, \infty)$
- b. $(1, \infty)$
- c. $(-\infty, 1]$
- d. $(-\infty, 1)$
- e. None of the above

8. 1.7.50a Write the answer in interval notation.

- a. $(-\infty, -\frac{8}{9})$
- b. $[-\frac{8}{9}, \infty)$
- c. $(-\infty, -\frac{8}{9}]$
- d. $(-\frac{8}{9}, \infty)$
- e. None of the above

9. 1.7.52a Write the answer in interval notation.

- a. $(-53, \infty)$
- b. $[-53, \infty)$
- c. $(-\infty, -53]$
- d. $(-\infty, -53)$
- e. None of the above

10. 1.7.56a Write the answer in interval notation.

- a. $[2, 6)$
- b. $(2, 6]$
- c. $(2, 6)$
- d. $[2, 6]$
- e. None of the above