

Math 1312
Homework 8

Enter your answers in the EMCF titled “Homework 8” at casa.uh.edu before the due date/time. If a problem comes from the exercises in the textbook then Problem 1.2.6 refers to Chapter 1, Section 2, problem number 6 etc.

1. Problem 3.3.6
 - A. 42°
 - B. 69°
 - C. 48°
 - D. 55.5°
 - E. None of the above

2. Problem 3.3.8
 - A. 40°
 - B. 70°
 - C. 42°
 - D. 50°
 - E. None of the above

3. Problem 3.3.10 Are the two sets disjoint or equivalent?
 - A. Disjoint
 - B. Equivalent
 - C. None of the above

4. Problem 3.3.12 Are the two sets disjoint or equivalent?
 - A. Disjoint
 - B. Equivalent
 - C. None of the above

5. Problem 3.3.20 a) and c)
 - A. a) Yes, b) Yes
 - B. a) Yes, b) No
 - C. a) No, b) Yes
 - D. a) No, b) No

6. Problem 3.3.22 Find $\angle ABC$ only.
 - A. 50°
 - B. 25°
 - C. 35°
 - D. 70°
 - E. None of the above

7. Problem 3.3.30
 - A. 10.9
 - B. 21.8
 - C. 14.6
 - D. 7.2
 - E. None of the above

8. Problem 3.5.2
 - A. True
 - B. False

9. Problem 3.5.4
 - A. True
 - B. False

10. Problem 3.5.8
 - A. True
 - B. False

11. The bisector of the vertex of an isosceles triangle also bisects the base.
 - A. True
 - B. False

12. Problem 3.5.12
 - A. a) Yes, b) Yes
 - B. a) Yes, b) No
 - C. a) No, b) Yes
 - D. a) No, b) No

13. Problem 3.5.14 a) and b)
 - A. a) Yes, b) Yes
 - B. a) Yes, b) No
 - C. a) No, b) Yes
 - D. a) No, b) No

14. Problem 3.5.18
 - A. Scalene
 - B. Isosceles
 - C. Equilateral
 - D. None of the above

15. Problem 3.5.32

- A. $6 < x < 20$
- B. $6 \leq x \leq 20$
- C. $-6 < x < 20$
- D. $7 < x < 13$
- E. None of the above