

Math 1312
Homework 7

Enter your answers in the EMCF titled "Homework 7" 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 3.1.2. Find b only.
 - A. 8
 - B. 10
 - C. 11
 - D. None of the above

2. Problem 3.1.4.
 - A. $m\angle E = 57^\circ$
 - B. $m\angle E = 85^\circ$
 - C. $m\angle E = 38^\circ$
 - D. $m\angle E = 60^\circ$
 - E. None of the above

3. Problem 3.1.8 a)
 - A. $\overline{RS} \cong \overline{RS}$
 - B. $\angle R \cong \angle S$
 - C. $\angle W \cong \angle W$
 - D. $\angle T \cong \angle V$
 - E. None of the above

4. Problem 3.1.10
 - A. SSS
 - B. SAS
 - C. ASA
 - D. AAS
 - E. AAA

5. Problem 3.1.12
 - A. SSS
 - B. SAS
 - C. ASA
 - D. AAS
 - E. AAA

6. Problem 3.1.14
- A. SSS
 - B. SAS
 - C. ASA
 - D. AAS
 - E. AAA
7. Problem 3.1.18
- A. SSS
 - B. SAS
 - C. ASA
 - D. AAS
 - E. AAA
8. Problem 3.1.22
- A. $\angle WVX \cong \angle ZVY$
 - B. $\angle WVY \cong \angle ZVX$
 - C. $\angle WXV \cong \angle ZYV$
 - D. $\angle X \cong \angle Y$
 - E. None of the above
9. Problem 3.1.24
- A. $\angle E \cong \angle J$
 - B. $\angle FGE \cong \angle HGJ$
 - C. $\angle F \cong \angle H$
 - D. $\angle G \cong \angle G$
 - E. None of the above
10. Problem 3.1.36
- A. Yes, SSS
 - B. Yes, SAS
 - C. Yes, ASA
 - D. Yes, AAS
 - E. It does not follow, that $\triangle ABC \cong \triangle EDC$.
11. Problem 3.2.22
- A. 17
 - B. 169
 - C. $\sqrt{119}$
 - D. 13
 - E. None of the above
12. Problem 3.2.24
- A. 4
 - B. 8
 - C. $2\sqrt{34}$

- D. 16
- E. None of the above

13. Problem 3. 2.26

- A. $\sqrt{15}$
- B. 15
- C. $\sqrt{113}$
- D. 13
- E. None of the above

14. Problem 3.3.2

- A. $\angle T \cong \angle V$
- B. $\angle T \cong \angle U$
- C. $\angle U \cong \angle V$
- D. None of the above

15. Problem 3.3.4

- A. 26
- B. 28
- C. 18
- D. 56
- E. None of the above