

Homework 2

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1.6.1

- a. $\{0, 2, 5, 8, 10\}$
- b. $\{0, 1, 2, 3, 7, 9, 10\}$
- c. \emptyset
- d. U
- e. A
- f. $\{0, 1, 2, 3, 4, 6, 7, 9, 10\}$

1.6.2

- a. $\{1, 3, 5, 7\}$
- b. $\{0, 2, 4, 6, 8\}$
- c. \emptyset
- d. U
- e. A
- f. \emptyset

2.1

- 1. yes
- 2. yes
- 3. yes
- 4. no
- 5. yes
- 6. yes
- 7. yes
- 8. yes
- 9. no
- 10. yes
- 11. yes
- 12. yes
- 13. yes
- 14. no
- 15. yes, but good luck proving that with mathematics.