CHAPTER 7: Review

PART A
5. False

PART B
1. Answers will vary.
2. Answers will vary.

PART C
1. 3.4.6.4
2. 3.3.3.6 (or 3\(4\).6)

PART D
1. Glide reflection
2. Translation

PART E
1. 

Mixed review
1. \(a = 33^\circ\) 2. \(b = 90^\circ\) 3. \(c = 114^\circ\) 4. \(d = 21^\circ\)
5. Answers will vary. One possible answer:

6. \(y = \frac{1}{2}x - 5\) 7. True
8. True

9. False; Possible counterexample: Concave quadrilateral \(ABCD\) has congruent diagonals and is not a rectangle.

10. False; A circle can be constructed through any three non-collinear points, but not through three collinear points.

11. Given
12. Alternate Interior Angles Conjecture
13. Vertical Angles Conjecture
14. \(\triangle ABC \cong \triangle EDC\)
15. ASA
16. CPCTC