Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Name the angle relationship: linear pair, vertical angles, or adjacent.

1. 2. 3.

 4. 5. 6.

Use the diagram to tell whether the angles are vertical angles, a linear pair, or neither.

7. ∠ 1 and ∠ 2 \_\_\_\_\_\_\_\_\_ 8. ∠ 1 and ∠ 3 \_\_\_\_\_\_\_\_\_

9. ∠ 1 and ∠ 4 \_\_\_\_\_\_\_\_\_ 10. ∠ 1 and ∠ 5 \_\_\_\_\_\_\_\_\_

11. ∠ 1 and ∠ 6 \_\_\_\_\_\_\_\_\_ 12. ∠ 1 and ∠ 7 \_\_\_\_\_\_\_\_\_

13. ∠ 1 and ∠ 8 \_\_\_\_\_\_\_\_\_ 14. ∠ 2 and ∠ 4 \_\_\_\_\_\_\_\_\_

Solve for x.

15. 16. 17.

Solve for x.

18. 19. 20.

Use the diagram to find the indicated measure.

21. x = \_\_\_\_\_\_ 22. x = \_\_\_\_\_\_

 m∠ ABD = \_\_\_\_\_\_\_ m∠ ABD = \_\_\_\_\_\_\_

 m∠ DBC = \_\_\_\_\_\_\_ m∠ DBC = \_\_\_\_\_\_\_

23. p = \_\_\_\_\_\_

 m∠ ABC = \_\_\_\_\_\_\_

 m∠ DBE = \_\_\_\_\_\_\_

