Cumulative Review
for Chapters 16 to 19

Concepts and Skills

Fill in the blanks with past or to. (Lesson 16.1)

1. 12 minutes _______ 8 is 8:12.

2. 10 minutes _______ 3 is 2:50.

Fill in the blanks. (Lesson 16.2)

3. 4 h 25 min = ________ min

4. 210 min = ________ h ________ min

Circle the correct number. (Lesson 16.6)

5. Jamie is playing basketball.
   The temperature outside is about ( 32, 72, 120 ) °F.

6. Water freezes at ( 0, 10, 32 ) °F.

7. Gary puts on his jacket before he leaves the house.
   The temperature outside is about ( 50, 72, 105 ) °F.
**Complete.**

**Look at the angle.** *(Lesson 17.1)*

8. Circle the angles below that are greater than the given angle.

9. Name the pairs of perpendicular and parallel line segments.

**Perpendicular line segments:** *(Lesson 17.4)*

**Parallel line segments:** *(Lesson 17.6)*
10. Mark the right angles in each figure. \textit{(Lesson 17.3)}

11. \textbf{Circle the polygons.} \textit{(Lesson 18.1)}
Write true or false. (Lesson 18.1)

12. A trapezoid has four angles. ________
13. A circle is a quadrilateral. ________
14. A rhombus has only one pair of parallel lines. ________
15. An octagon has eight sides. ________
16. A square is not a rectangle. ________

Does the figure show a flip? Write yes or no. (Lesson 18.2)

17. ________
18. ________

Does the figure show a turn? Write yes or no. (Lesson 18.2)

19. ________
20. ________
Circle the congruent shapes. (Lesson 18.2)

21.

Decide if each figure is symmetric. Write yes or no. (Lesson 18.3)

22.  

23.  

24.  

Decide which figures show a line of symmetry. Write yes or no.

25.  

26.  

27.  

Find the area of each figure. (Lesson 19.2)

A: _______ cm²  B: _______ cm²  C: _______ cm²

28. Which figure has the greatest area? Figure _______

29. Which figure has the least area? Figure _______

Complete. (Lesson 19.5)

30. Measure in inches.

31. The perimeter of the rectangle is __________________.
Problem Solving

Complete.
Draw two different rectangles with a perimeter of 10 feet each.

32. [Diagram of rectangles]

33. Are the areas of the two rectangles the same? _________

34. If their areas are the same, what is the area? ________________

35. If their areas are not the same, what is the difference in their areas?
________________________
Complete.

36. Look at the shape in a. How many sides and angles are there?

37. Draw another shape that has the same number of sides and angles.

a. b.

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_______ sides, _______ angles
Solve. Show your work.

38. On Monday, Samantha spent 8 hours 10 minutes in school. On Tuesday, she spent 6 hours 55 minutes in school. How much longer did she spend in school on Monday than on Tuesday?
Solve. Show your work.

39. Laura sews six square patches to make a quilt, as shown below. The side of each square patch is 15 inches long. What is the perimeter of the quilt?

[Diagram of a 3x2 grid of squares, each 15 inches on a side]
Solve. Draw a time line to help you.

40. Mr. Jones takes 2 hours 30 minutes to drive from San Diego to Los Angeles. He reaches Los Angeles at 4:25 p.m. What time did he leave San Diego?
Solve. Draw a time line to help you.

41. Rhonda read a book from 8:45 A.M. to 10:50 A.M.
   a. How long did she spend reading the book?
   b. She continues reading for another 1 hour 25 minutes. What time will she stop reading?