Name: _____

Date: _____ Grade: _____

SECTION QUIZ 4-1



Remember:
Score an 85% or higher on all three quizzes and you may be exempt from the chapter test!



Congratulations! You have completed this section!
Answer the following questions to test your understanding of the material. When you are finished, hand in your quiz to your teacher. Each answer is worth 1.9 points.

1. The point at the end of a line segment is called a(n) _____.

2. Columbus understood that the earth was in the shape of a(n) _____.

3. The shortest distance between two points is a(n) _____.

4. The portion of a line between two points is a(n) _____.

5. A point is the place where two lines _____.

6. _____ lines have no point of intersection.

7. A(n) _____ is a line that crosses two or more parallel lines.

8. A(n) _____ is part of a line and contains only one endpoint.

9. _____ are formed by intersecting lines or rays.

10. The measure of a(n) _____ angle is 90 degrees.

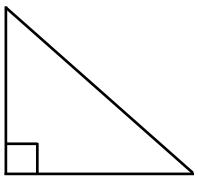
11. An angle whose measure is less than 90° is called a(n) _____ angle.

12. An angle whose measure is more than 90° is called a(n) _____angle.

13. An angle that forms a straight line and has a measurement of 180° is called a(n) _____ angle.

Identify the following triangles (right, obtuse, equilateral, isosceles) for #14-17.

14. _____



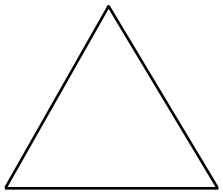
15. _____



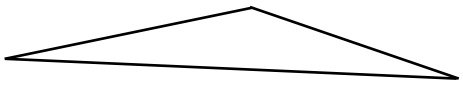
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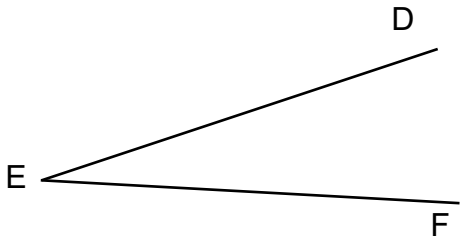
16. _____



17. _____



18. The point _____ is the vertex of ∠DEF.



19. The four angles in a(n) _____ measure 90° each.

20. A rectangle that has four sides of equal length is called a(n) _____.

21. All the points on a circle are _____ distance from the center.

Matching (22-31).

22. _____ nonagon	(a) parallel to
23. _____ polygon	(b) two parallel and two nonparallel sides
24. _____ octagon	(c) four sides
25. _____ trapezoid	(d) six sides
26. _____ quadrilateral	(e) angle
27. _____ hexagon	(f) nine sides
28. _____ $\sqrt{\ }$	(g) any 2-dimensional shape with 3 or more sides
29. _____ $\measuredangle$	(h) eight sides
30. _____ π	(i) square root
31. _____ $\parallel$	(j) 3.14 or $^{22}/_{7}$

32. The perimeter of a circle is known as _____.

33. The _____ is the distance around an object.

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SECTION QUIZ 4-1

34. The perimeter of a parallelogram with dimensions of 5 on each side is _____.

35. The _____ of a circle is a line segment with end points on the circle and the line segment passes through the center of the circle.
(a) circumference (b) diameter (c) radius (d) transverse

36. The formula for calculating the perimeter of a rectangle is _____.
(a) $P = S^2$ (b) $\frac{1}{2}bh$ (c) πr^2 (d) $P = 2l + 2w$

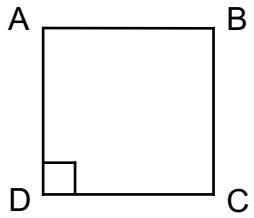
37. The radius of a circle is one-half the _____ of the circle.
(a) area (b) diameter (c) hypotenuse (d) circumference

38. In a right triangle, the sloping side opposite the 90° angle is called the _____.
(a) hypotenuse (b) slant altitude (c) linear altitude (d) height

39. $\sqrt{25}$ = _____.

40. $(\sqrt{9})^2$ = _____.

41. The measure of ∠ABC = _____.



42. Name the shape. _____



43. The diameter of the Sun is approximately 864,100 miles. The radius of the Sun is _____.

44. A farmer has a circular grain bin with a radius of 10 feet. The farmer wants to build a concrete sidewalk around the grain bin. The number of feet of sidewalk the farmer will need to build is _____ feet. (Hint: Find the circumference of the grain bin.)

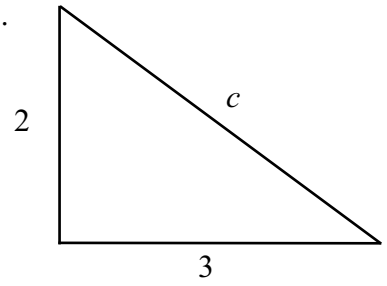
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45. Find the circumference of a circle with a diameter of 10 inches. _____

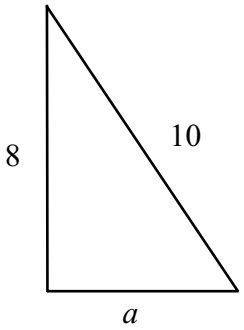
46. Use the Pythagorean Theorem to find c^2.

c^2 = _____



47. Use the Pythagorean Theorem to find *a*.

a = _____



Matching

48. _____ *"The best formula for success*

49. _____ *"A chain is as strong*

50. _____ *"A threefold cord*

51. _____ *"Any fact facing us is not as important as our attitude toward it, for that*

52. _____ *"Truth is straight;*

(a) *is not easily broken."*

(b) *lies go in circles."*

(c) *as its weakest link."*

(d) *determines our success or failure."*

(e) *is the 'try' angle."*

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