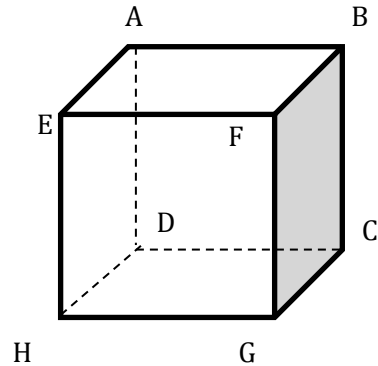


Quiz 7.1-7.4 Study Guide

Name _____

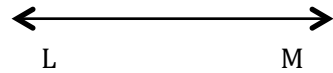
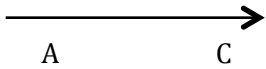
Part I: Segments, Lines, Rays, and Planes

Use the diagram to the right for Questions 1-3.



1. Name two segments parallel to \overline{HD} .
2. Name two segments parallel to \overline{AB} .
3. Name two segments intersecting \overline{DC} .
4. Name two segments intersecting \overline{FG} .
5. Name two segments skew to \overline{EH} .
6. Name two segments skew to \overline{HG} .

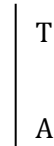
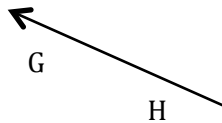
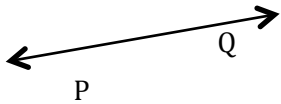
Label the following lines, segments, and rays appropriately.



7. _____

8. _____

9. _____

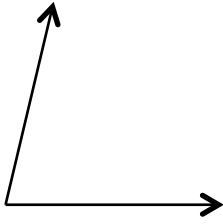


10. _____

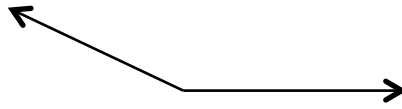
11. _____

12. _____

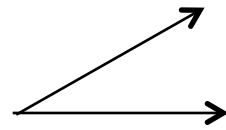
Measure each angle and then classify it according to its measure.



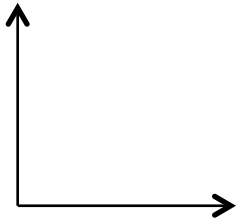
13. _____



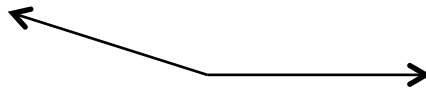
14. _____



15. _____



16. _____



17. _____



18. _____

Find the measures of the complement of each angle.

19. $m\angle X = 56^\circ$

20. $m\angle K = 84^\circ$

21. $m\angle L = 39^\circ$

22. $m\angle Z = 42^\circ$

Find the measures of the supplement of each angle.

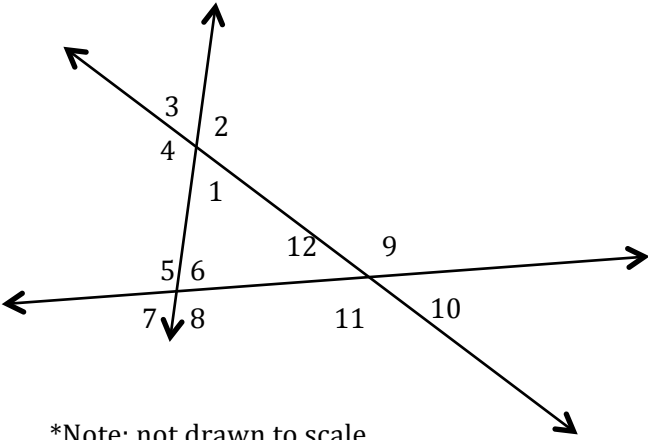
23. $m\angle C = 73^\circ$

24. $m\angle E = 21^\circ$

25. $m\angle F = 112^\circ$

26. $m\angle Q = 45^\circ$

Find the measures of all the angles if the measure of $\angle 4$ is 131° , $\angle 6$ is 84° , and $\angle 12$ is 47°



*Note: not drawn to scale

27. $m\angle 1 =$ _____

28. $m\angle 2 =$ _____

29. $m\angle 3 =$ _____

30. $m\angle 5 =$ _____

31. $m\angle 7 =$ _____

32. $m\angle 8 =$ _____

33. $m\angle 9 =$ _____

34. $m\angle 10 =$ _____

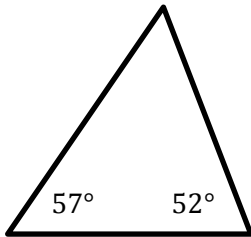
35. $m\angle 11 =$ _____

36. Name 4 pair of adjacent angles.

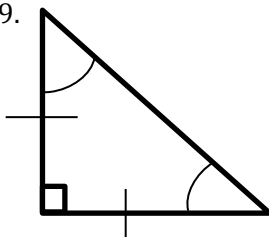
37. Name 4 pair of vertical angles.

Classify each triangle based on its sides and angles.

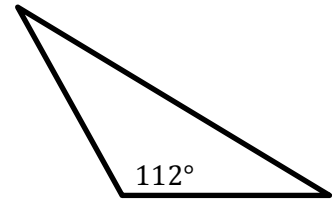
38.



39.

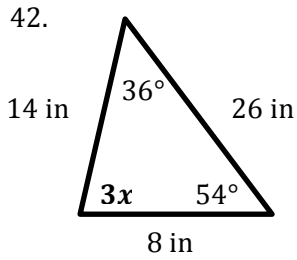


40.



41. Look at Question #40. If that triangle was isosceles, what would the other two angles equal?

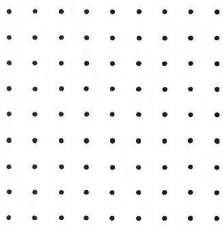
Find the value of x in the triangle.



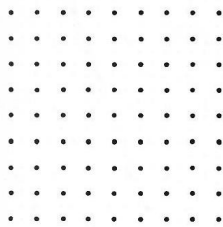
Polygons and Quadrilaterals

Draw each polygon.

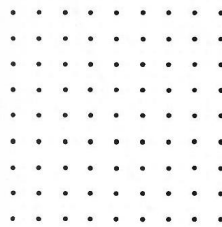
43. Triangle



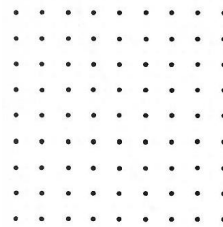
44. Trapezoid



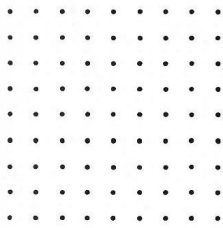
45. Hexagon



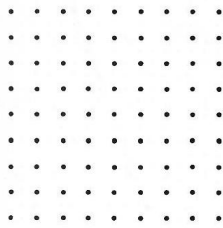
46. Octagon



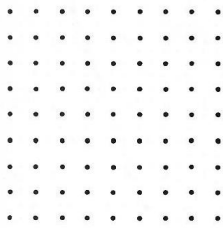
47. Pentagon



48. Parallelogram

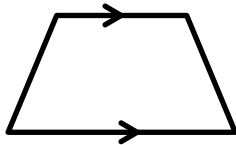


49. Rhombus

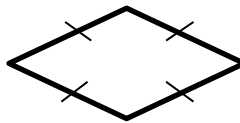


Classify each Quadrilateral based on the information given. State how you know.

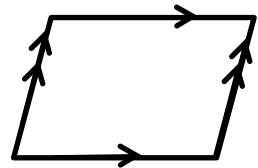
50.



51.



52.



53. What is a regular polygon?