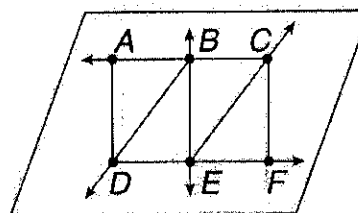# Geometry Test Review

**Write the following in geometric notation. (using the correct symbols)**
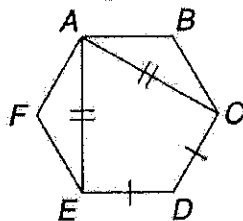
1. line *EF* _____

2. ray *RS* _____

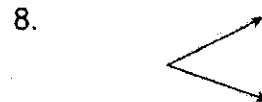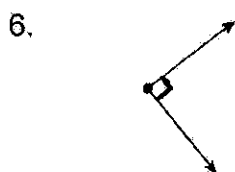3. line segment *JK* _____

**Use the figure to the right.**

4. Identify two points, a line, two line segments,

a plane, and two rays.  **points**_____

**line**_____ , **line segments**_____ ,

**plane**_____ , **rays**_____

5. Identify the congruent line segments.

**Tell whether each angle is acute, right, obtuse, or straight.**

6.

7.

8.

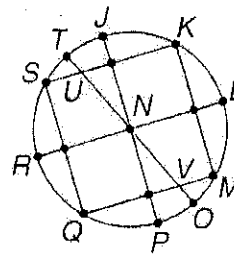9. Angles *L* and *M* are complementary. If m∠*L* is 16°,
   what is m∠*M*?

   _____

10. Angles *R* and *S* are supplementary. If m∠*R* is 78°,
    what is m∠*S*?

    _____

11. Angles *L* and *M* are complementary. If m∠*L* is 35°,
    what is m∠*M*?

    _____

12. Angles *R* and *S* are supplementary. If m∠*R* is 95°,
    what is m∠*S*?

    _____

Holt McDougal Mathematics

## Name the parts of circle *N*.

13. radii _____

14. diameters _____

15. chords _____



## Use the circle graph.

16. An Internet poll asked people if they believe that taking vitamins will make them live longer. The circle graph shows the response. Find the central angle measure of the sector that shows the percent of people who answered "**No**."
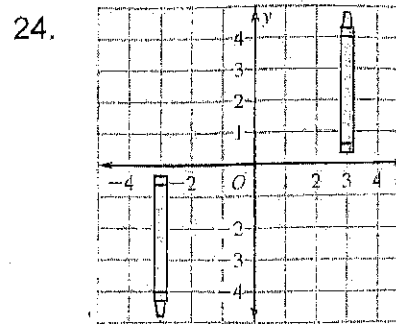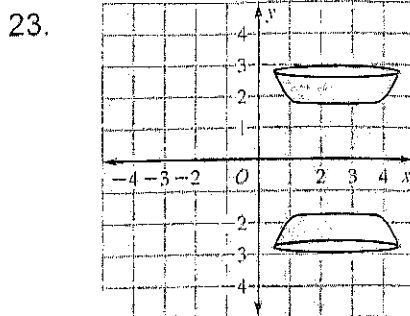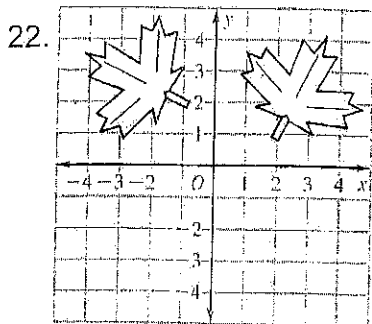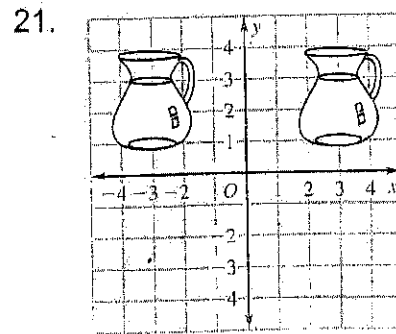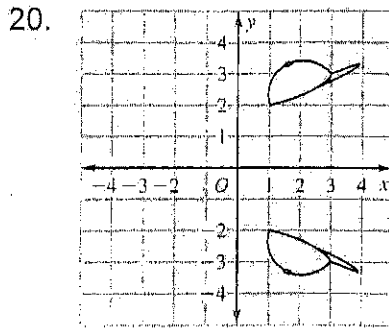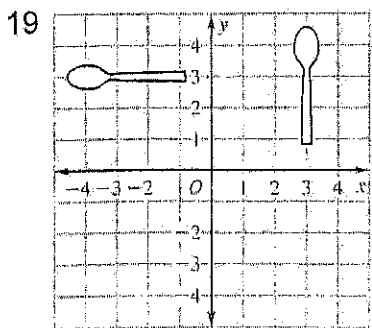
_____

**Vitamin Poll**



No 16%

Not sure 13%

Yes 71%

17. Find the central angle measure of the sector that shows the percent of people who answered "**Yes.**"

_____

18. Find the central angle measure of the sector that shows the percent of people who answered "**Not sure.**"

_____

## Identify each type of transformation.
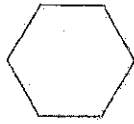
19



20.



21.



22.
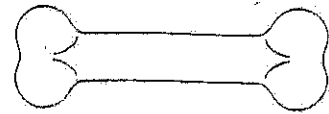


23.



24.

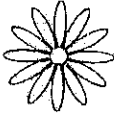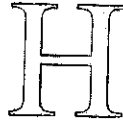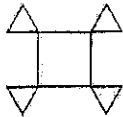Draw all lines of symmetry for each figure.

25.

26.

27.

28.

29.

30.

**Determine whether each figure is a polygon. If it is not, explain why not.**

31.

32.

33.

_____    _____    _____

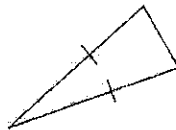**Classify each triangle according to its sides and angles.**
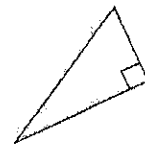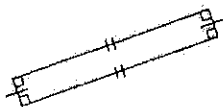
34.
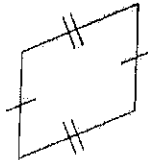
35.

36.

_____    _____    _____

**Give all of the names that apply to each quadrilateral. Then give the name that best describes it.**

37.

38.

39.

_____    _____    _____

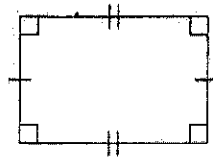_____    _____    _____
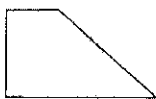
_____    _____    _____
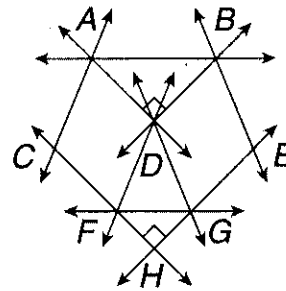
40.

_____

_____

_____

**Tell whether the lines appear parallel, perpendicular or skew.**

41. $\overleftrightarrow{AD}$ and $\overleftrightarrow{BD}$ _____
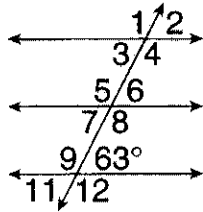
42. $\overleftrightarrow{AB}$ and $\overleftrightarrow{GH}$ _____

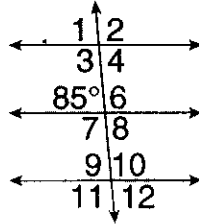43. $\overleftrightarrow{FH}$ and $\overleftrightarrow{GH}$ _____

**Assume that lines that look parallel are parallel.**
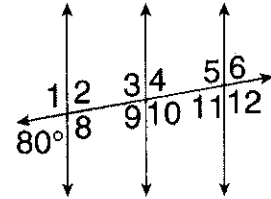**Find the measure of each angle.**

44. $\angle 3$, $\angle 5$, and $\angle 12$        45. $\angle 4$, $\angle 8$, and $\angle 10$        46. $\angle 3$, $\angle 6$, and $\angle 11$

_____        _____        _____

47. A pair of complementary angles is congruent. What is the
    measure of each angle?

_____