TEST NAME: **Geometry Test**
TEST ID: **1331**
GRADE: **05**
SUBJECT: **Mathematics**
TEST CATEGORY: **My Classroom**

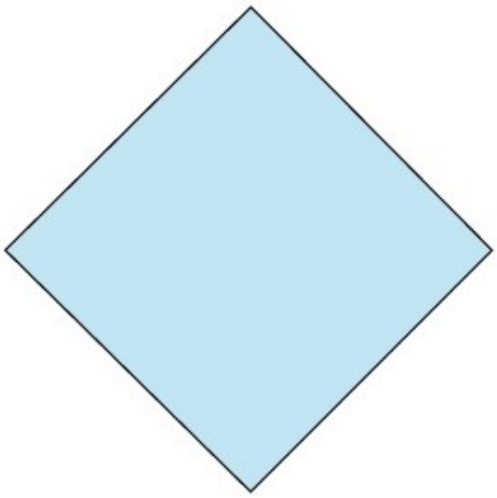
02/27/14, Geometry Test

Student: _____

Class: _____

Date: _____

1. Nathan made a card in the following shape.



Which of the following statements appears to be true about Nathan's card?

A. The sum of the angles is 180°.

B. Its opposite sides are parallel.

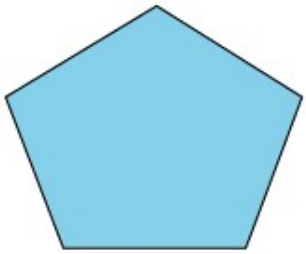
C. It has exactly one pair of parallel lines.

D. It has exactly 2 pairs of perpendicular lines.

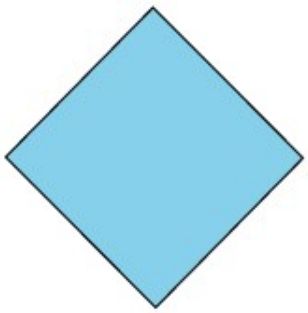
2. Kevin cut a quadrilateral with four congruent sides from a sheet of paper. Which of the following could be the shape Kevin cut?

A.

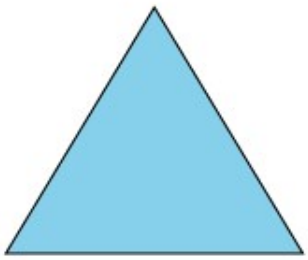
B.



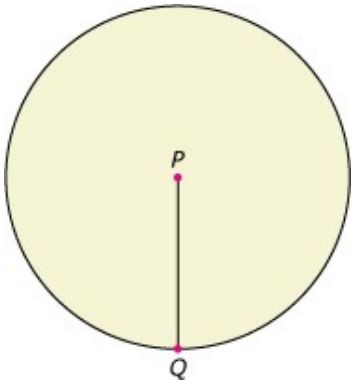
C.



D.



3. The picture shows a circle with center P.



What best describes $\overline{PQ}$?

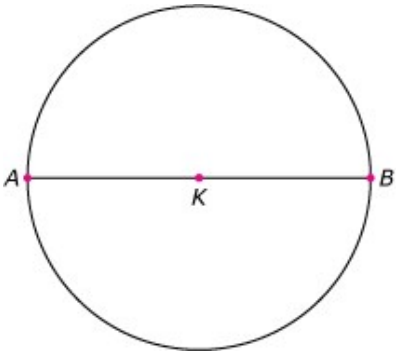
A. Arc

B. Radius

C. Diameter

D. Circumference

4. The figure below shows a circle with center K.



What best describes segment AB?

A. Arc

B. Diameter

C. Radius

D. Chord

5. An obtuse triangle and a right trapezoid are shown.

What is the total number of angles that appear to be obtuse or right angles in the 2 polygons?

A. 7

B. 6

C. 5

D. 4

6. Dwayne drew the following geometric figure.

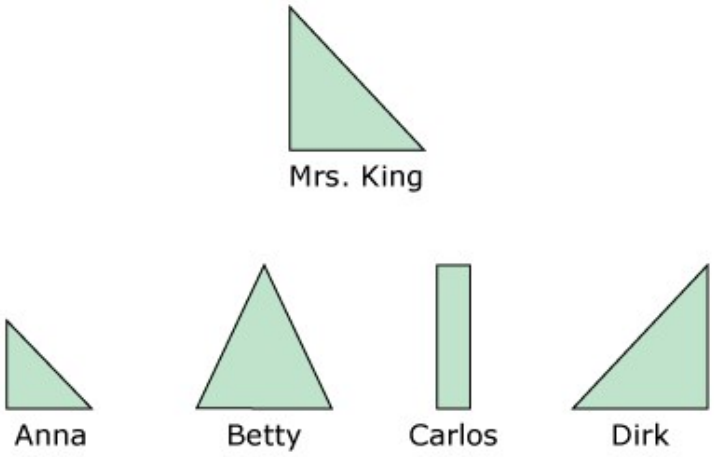
Which of the following best describes the figure Dwayne drew?

A. Rectangle
B. Square
C. Trapezoid
D. Parallelogram

7. **Dominique has a piece of paper shaped like an equilateral triangle. Which of the following describes an equilateral triangle?**

A. A triangle with 3 different-sized angles
B. A triangle with at least 2 sides of equal length
C. A triangle with 1 right angle and 2 obtuse angles
D. A triangle with exactly 3 sides of equal length

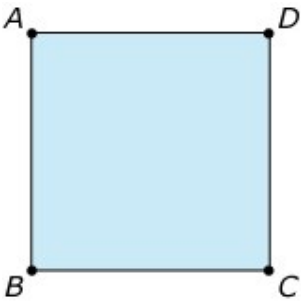
8. **Mrs. King and four students each drew a shape as shown in the picture below.**



Which student's shape appears to be congruent to Mrs. King's shape?

A. Anna
B. Betty
C. Carlos
D. Dirk

9. Square $ABCD$ is shown below.



Which of these correctly identifies $\angle ABC$?

A. Straight angle

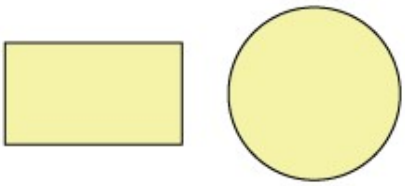
B. Right angle

C. Obtuse angle

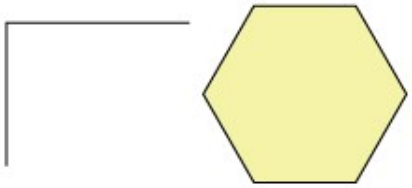
D. Acute angle

10. Which group shows two polygons?

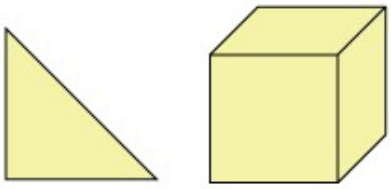
A.



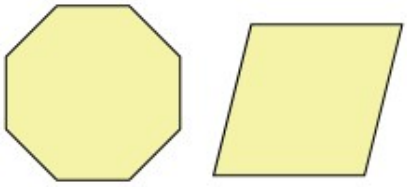
B.



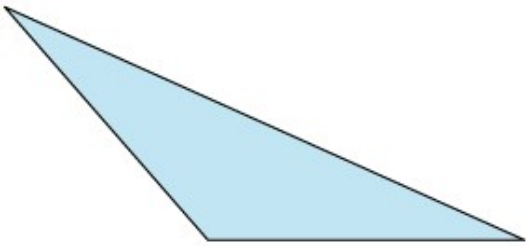
C.



D.



11. Winston drew a triangle. One angle in the triangle had an opening that was larger than a square corner.



Which name describes this angle?

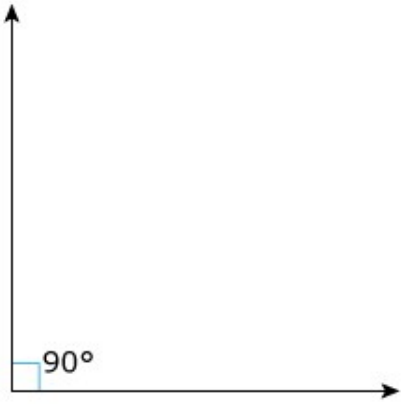
A. Hexagon

B. Right angle

C. Obtuse angle

D. Acute angle

12. Which best names the angle shown?



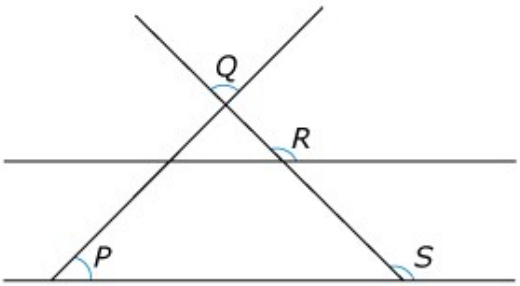
A. Right angle

B. Obtuse angle

C. Vertical angle

D. Straight angle

13. Which angle in this figure appears to be a right angle?



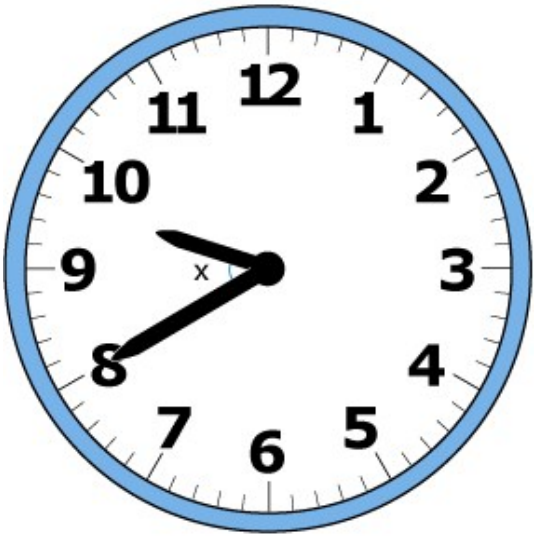
A. *P*

B. *Q*

C. *R*

D. *S*

14. Which best describes the angle *x* made by the hands of the clock?



A. Right

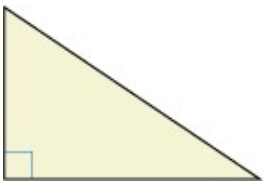
B. Acute

C. Obtuse

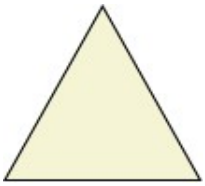
D. Straight

15. Which figure appears to contain only one obtuse angle?

A.



B.

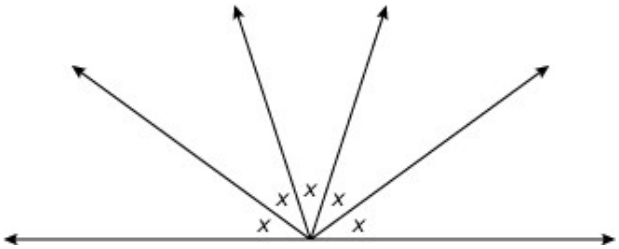


C.

D.

16. Brent drew the figure shown below. The figure contains a straight line and four rays. Each angle shown has the

same measure.



What appears to be the value of x?

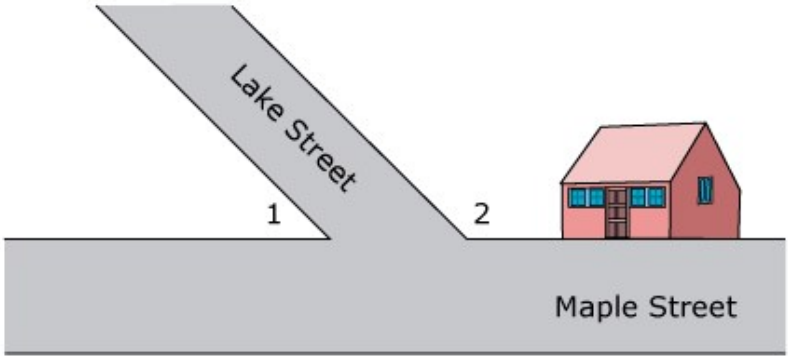
A. 72°

B. 60°

C. 45°

D. 36°

17. **Mary drew this map to show the location of her house.**



Which of the following best describes $\angle 1$ and $\angle 2$ on Mary's map?

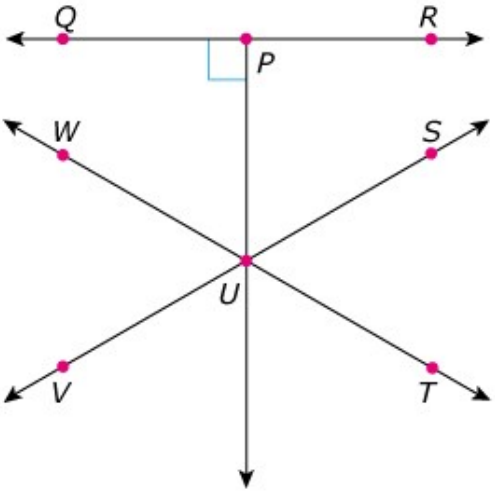
A. Complementary angles

B. Supplementary angles

C. Congruent angles

D. Right angles

18. Which angle in the picture below is an acute angle?



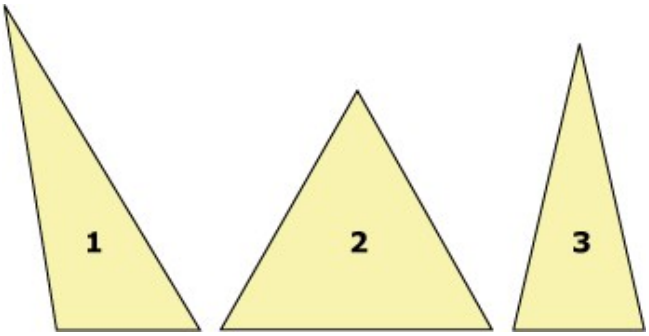
A. $\angle VUS$

B. $\angle QPU$

C. $\angle PUV$

D. $\angle SUT$

19. Three types of triangles are each labeled with a number as shown.



Which list appears to correctly describe all three triangles?

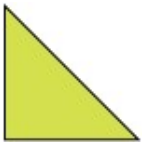
A. 1 is right, 2 is scalene, 3 is isosceles

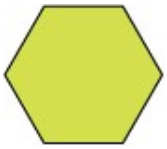
B. 1 is isosceles, 2 is equilateral, 3 is right

C. 1 is scalene, 2 is equilateral, 3 is isosceles

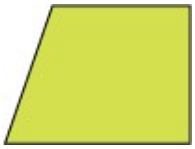
D. 1 is equilateral, 2 is isosceles, 3 is scalene

20. Which figure does not appear to have any right angles?

A. 

B. 

C. 

D. 

21. Paul drew an angle with a measure of 74°. Which word names the type of angle Paul drew?

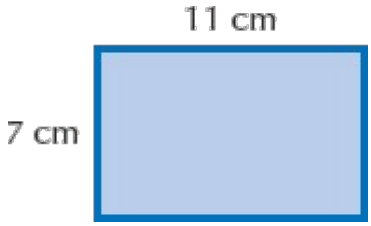
A. Right

B. Acute

C. Obtuse

D. Straight

22. What is the area of this rectangle?



A. 77 cm^2

B. 70 cm^2

C. 36 cm^2

D. 18 cm^2

23. What is the perimeter of this rectangle?

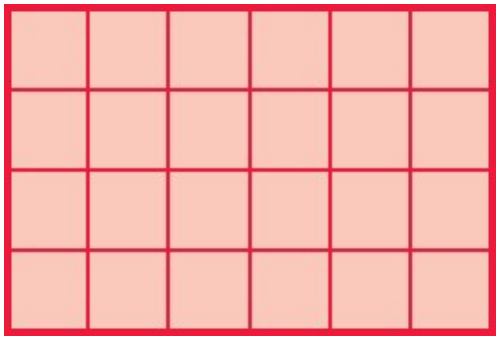
A. 14 cm

B. 12 cm

C. 10 cm

D. 7 cm

24. Which expression could be used to find the area of this rectangle?



A. 6 + 4

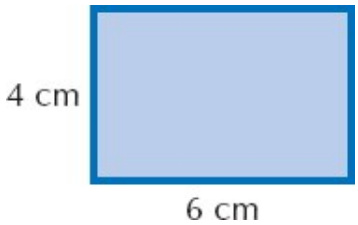
B. 6 × 4

C. (6 + 4) × 2

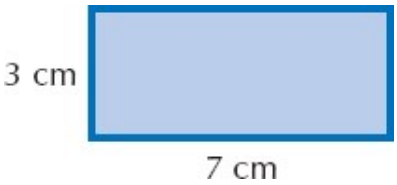
D. (6 × 4) × 2

25. Which rectangle has the *least* area?

A.

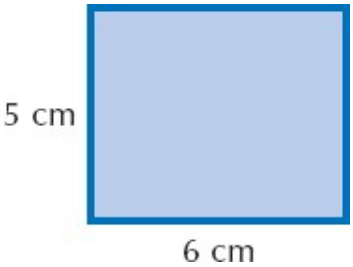


B.

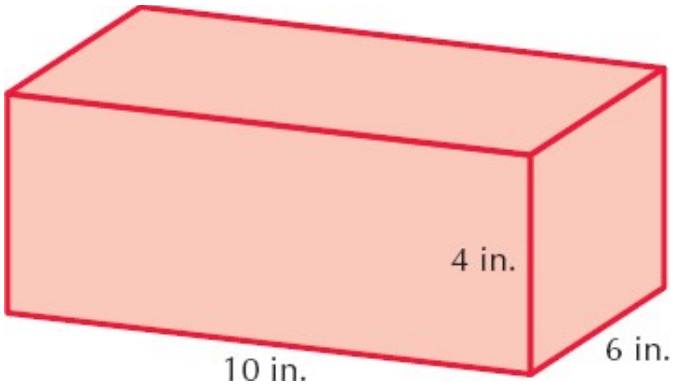


C.

D.



26. What is the volume of the figure?



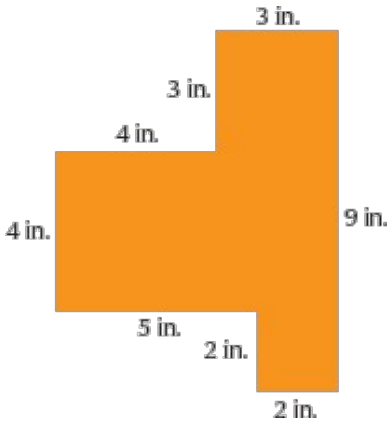
A. 240 in^3

B. 60 in^3

C. 40 in^3

D. 20 in^3

27. What is the perimeter of this figure?



A. 32 inches

B. 27 inches

C. 17 inches

D. 14 inches

28. What is the perimeter of a square that is 3.2 cm on each side?

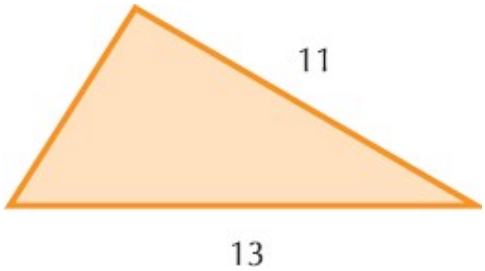
A. 6.4 cm

B. 10.24 cm

C. 12.8 cm

D. 104.86 cm

29. The perimeter of this triangle is 30. What is the length of the third side?



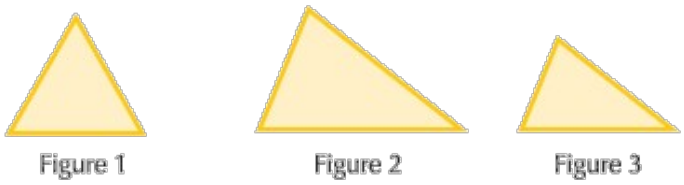
A. 2 units

B. 6 units

C. 24 units

D. 54 units

30. Which figures below appear to be similar?



A. Figures 1 and 2 only

B. Figures 2 and 3 only

C. Figures 1 and 3 only

D. Figures 1, 2, and 3

31. Joan drew a quadrilateral. What was the sum of its 4 interior angles?

A. 90°

B. 180°

C. 270°

D. 360°

32. In triangle *PQR* the measure of angle *P* is 60°, and the measure of angle *Q* is 80°. What is the measure of angle *R*?

A. 20°

B. 40°

C. 140°

D. 220°

33. What is the measure of the unlabeled angle in this triangle?

A. 90°

B. 95°

C. 100°

D. 105°

34. What shape is the green figure in this diagram?

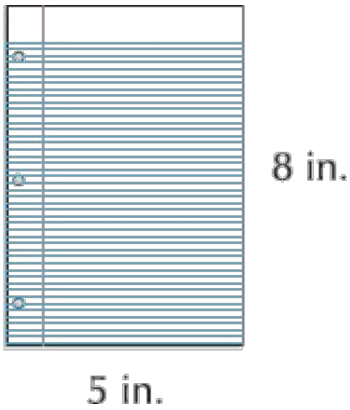
A. trapezoid

B. triangle

C. pentagon

D. hexagon

35. What is the perimeter of this piece of paper?



A. 40 inches

B. 26 inches

C. 16 inches

D. 13 inches

36. A rectangular sign is 4 meters high and 8 meters wide. What is its area?

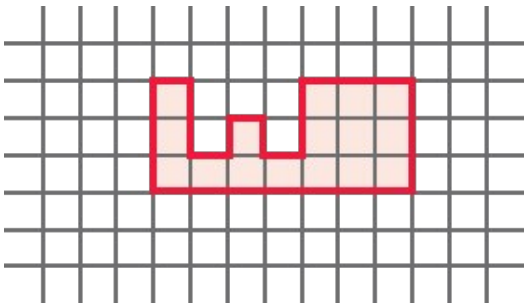
A. $12\ m^2$

B. $24\ m^2$

C. $32\ m^2$

D. $36\ m^2$

37. What is the area of the figure below?



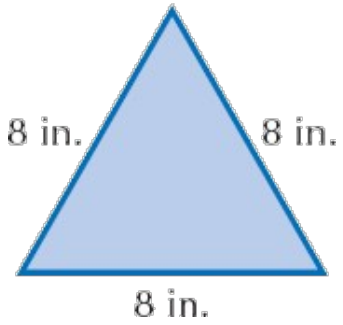
A. 16 square units

B. 17 square units

C. 21 square units

D. 26 square units

38. The triangle has sides that are all 8 inches long. What is its perimeter?



A. 12 inches

B. 16 inches

C. 24 inches

D. 32 inches