

Geometry

Set 2

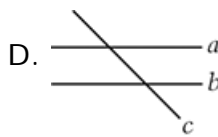
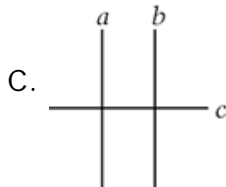
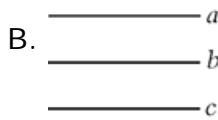
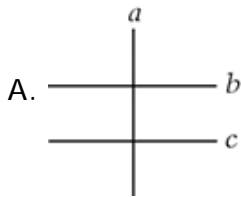
Daily Practice And Answer Keys

Website: <http://alex.state.al.us/ccrs/node/314>

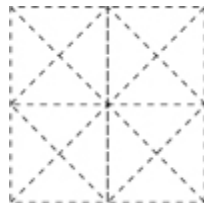
1. Which of the following has only 3 angles?

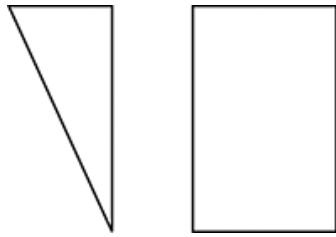
- A. A triangle
- B. A square
- C. A rectangle
- D. A cube

2. Lines a and b are parallel to each other.
Line c is perpendicular to these lines.
Jan correctly draws lines a , b , and c .
Which of these could be Jan's drawing?



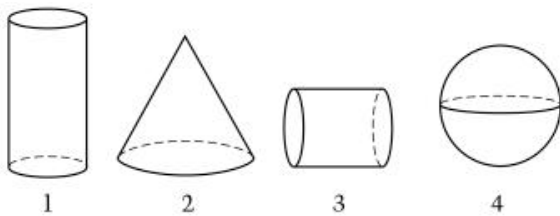
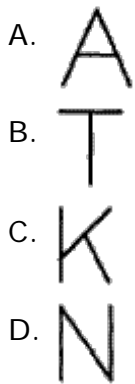
3. In the figure below, outline a four-sided shape that is not a rectangle (or a square).



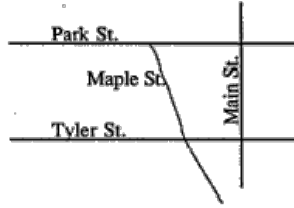


1. How are the right triangle and the rectangle alike?
- A. Each figure has at least one right angle.
 - B. Each figure has parallel sides.
 - C. Each figure has at least one line of symmetry.
 - D. Each figure has at least two sides that are the same length.

2. Which letter has two parallel lines?



3. Which of these shapes are cylinders?
- A. 1 and 2
 - B. 1 and 3
 - C. 2 and 4
 - D. 3 and 4

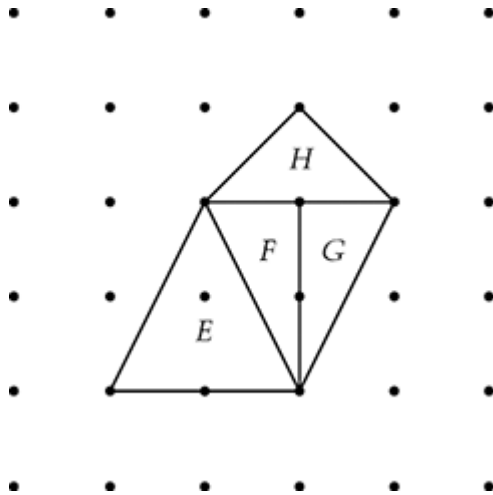


1. According to the map in the figure above, which streets appear to be parallel to each other?

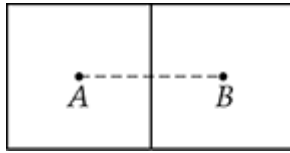
- A. Park and Main
- B. Tyler and Maple
- C. Park and Tyler
- D. Main and Tyler

2. In the space below, draw a closed figure with 5 sides. Make 2 of the angles right angles.

3. Which two figures are congruent?

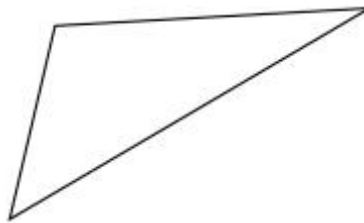


- A. E and H
- B. F and G
- C. F and H
- D. G and H



1. Each square above is 10 units on a side. Points A and B are the centers of the squares. What is the distance between A and B ?

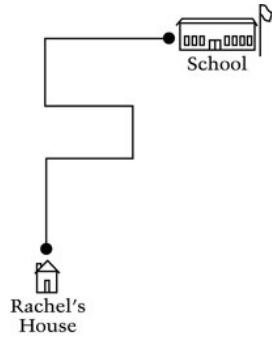
- A. 5 units
- B. 10 units
- C. 15 units
- D. 20 units



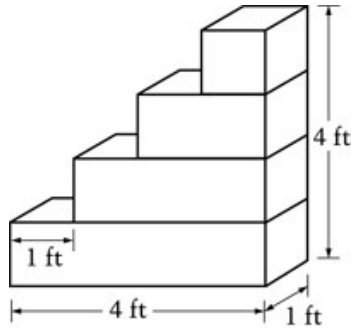
2. How many of the angles in this triangle are smaller than a right angle?

- (A) None
- (B) One
- (C) Two
- (D) Three

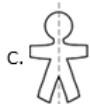
3. In the space below, draw an angle that is larger than 90° .



1. The picture shows Rachel's path to school. How many right angle turns does Rachel make to get to school?
- A. Two
 - B. Three
 - C. Five
 - D. Seven



2. Sierra build the block tower with 1-foot cubes. How many cubes did she use?
- A. 4
 - B. 6
 - C. 8
 - D. 10
3. Which decoration CANNOT be folded along the dotted line so that both parts match?



Geometry

ANSWER KEY

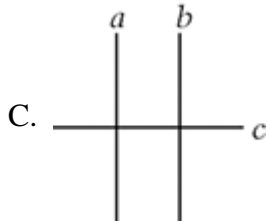
DAY 6

Standard #27

1. Solution:
A. A triangle

Standard #27

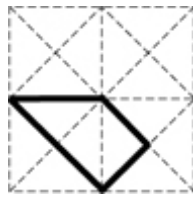
2. Solution:



Standard #27

3. Solution:

Any four-sided shape EXCEPT a rectangle or a square. For example,



Note: A figure in which the interior is shaded should be counted as correct.

SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), 2003, 2007 and 2011 Mathematics Assessments.

Geometry

ANSWER KEY

DAY 7

Standard #26

1. Solution:
A. Each figure has at least one right angle.

Standard #27

2. Solution:

D. 

Standard: Foundational Application

3. Solution:
B. 1 and 3

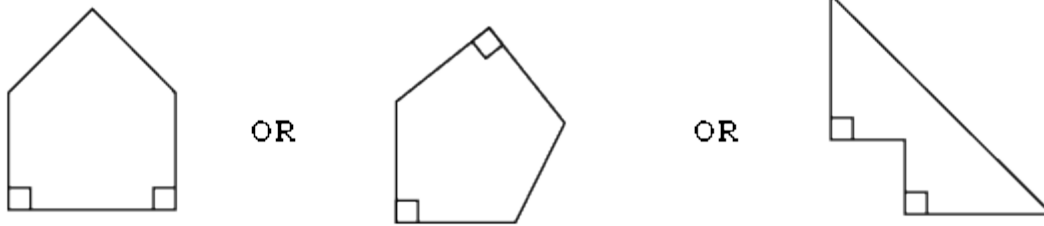
SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), 1992, 2005 and 2011 Mathematics Assessments.

Standard #27

- Solution:
C. Park and Tyler

Standard #27

- Solution:**
Figure must be closed and have 5 sides and 2 or more right angles.
Right angles do not have to be marked, but should appear to be right angles. Two right angles must be on the inside of the figure.



In this question the student needed to show geometric understanding by drawing a closed figure with 5 sides and at least 2 right angles. Students did not have a ruler or protractor.

Standard: Foundational

- Solution:**
B. F and G

SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), 1990, 2003 and 2013 Mathematics Assessments.

Standard #26

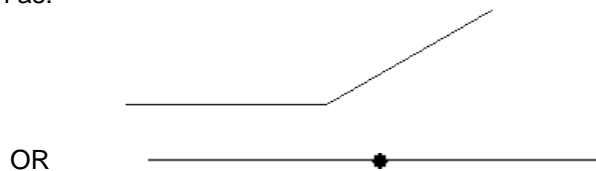
- B.

Standard #27

- C. Two

Standard #26

- Solution:**
Any obtuse angle, such as:



In this question the student was asked to draw an angle that is larger than 90° (an obtuse angle). Full credit was earned for a drawing of either an obtuse angle or a closed figure containing an obtuse angle

SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), 2003, 2005 and 2011 Mathematics Assessments.

Standard #27

1. C. Five

Standard: Foundational

2. Solution:
D. 10

Standard #28

3. **Solution:**

