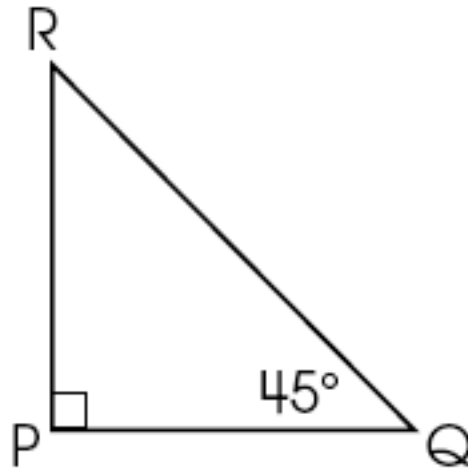


Question 30
Benchmark A
March 2006

30. Triangle PQR is a right triangle.



What is the measure of angle R?

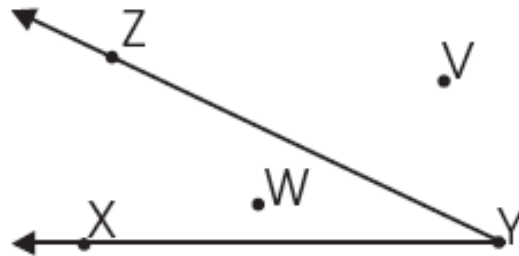
- A. 30°
- B. 45°
- C. 75°
- D. 90°

Question 42
Benchmark A
March 2006

42. In your **Answer Document**, draw an obtuse angle. Use your protractor to give the measure of the obtuse angle. (2 points)

Question 4
Benchmark A
Spring 2007

4. Angle XYZ is shown.

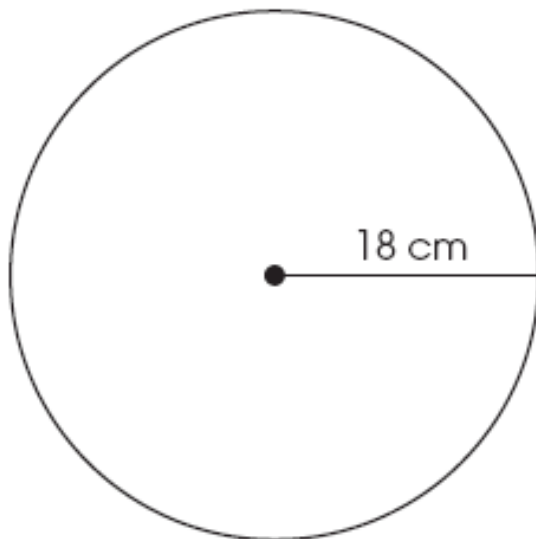


Which point lies in the interior of angle XYZ?

- A. point V
- B. point W
- C. point X
- D. point Y

Question 22
Benchmark B
March 2008

22. A circle is shown.



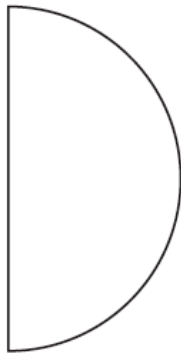
Which statement about the circle is true?

- A. The diameter is 9 cm.
- B. The diameter is 36 cm.
- C. The radius is 9 cm.
- D. The radius is 36 cm.

5th Grade Mathematics Ohio Achievement Test
Geometry and Spatial Sense

Question 27
Benchmark B
March 2006

27. Malcolm needed to measure the distance across a circular tablecloth. He folded the tablecloth in half as shown.



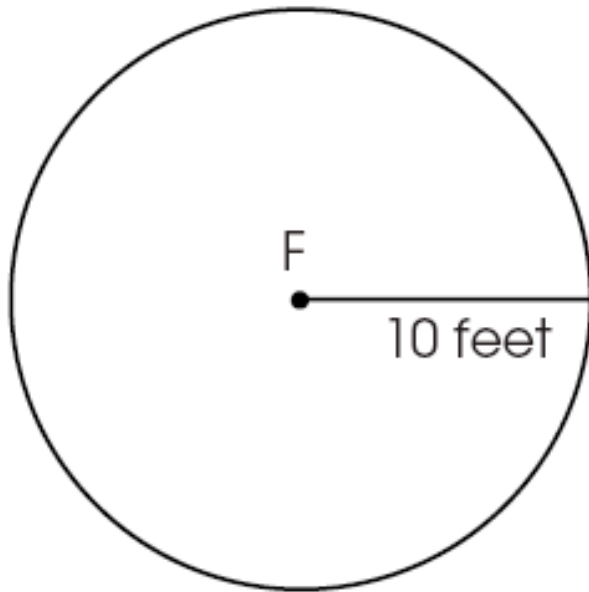
Malcolm measured the length of a folded side.

Which part of the circular tablecloth did Malcolm measure?

- A. center
- B. circumference
- C. diameter
- D. radius

Question 44
Benchmark B
March 2006

44. Point F is the center of the circle shown.

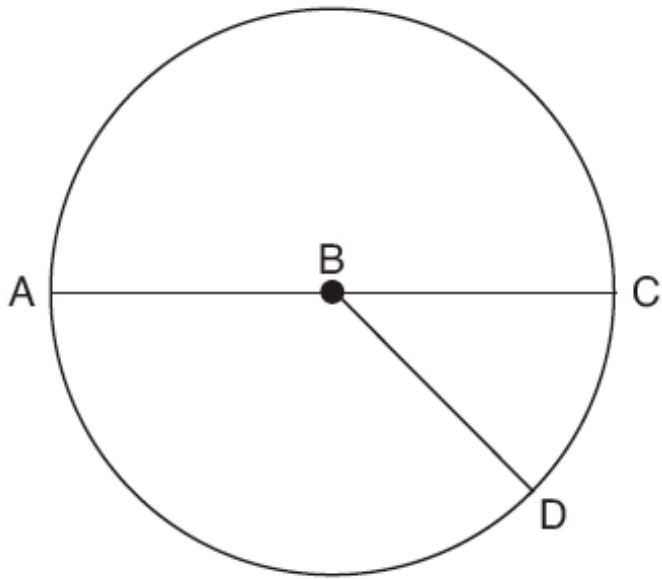


What is the diameter of this circle?

- A. 10 feet
- B. 20 feet
- C. 30 feet
- D. 100 feet

Question 31
Benchmark B
Spring 2007

31. A circle is shown.

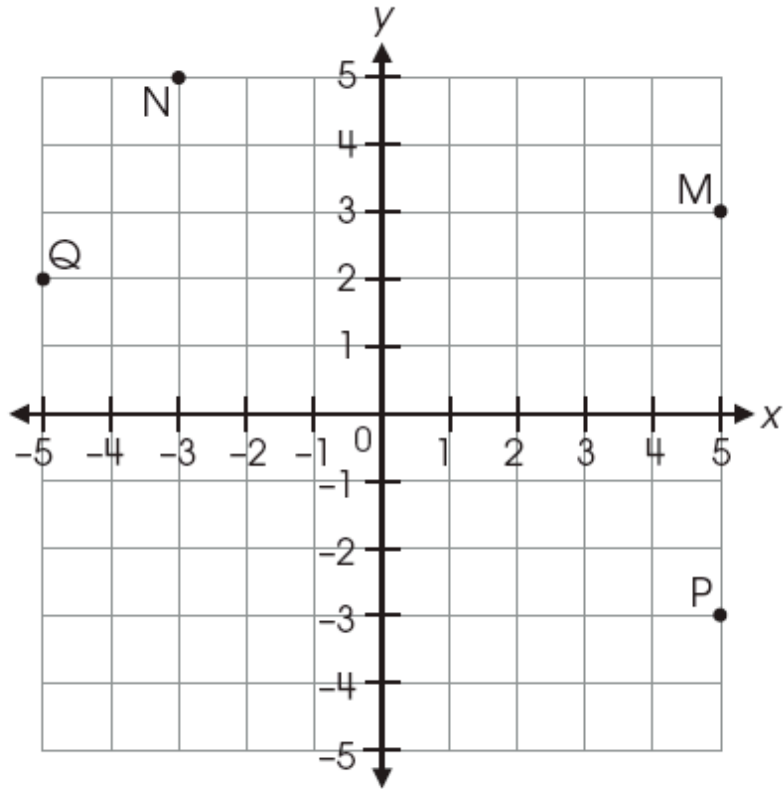


Which statement about the circle is true?

- A. The diameter is \overline{AB} .
- B. The diameter is \overline{AC} .
- C. The only radius is \overline{BD} .
- D. The radius is two times the length of \overline{BC} .

Question 7
Benchmark C
Spring 2009

7. Four points are shown on a grid.



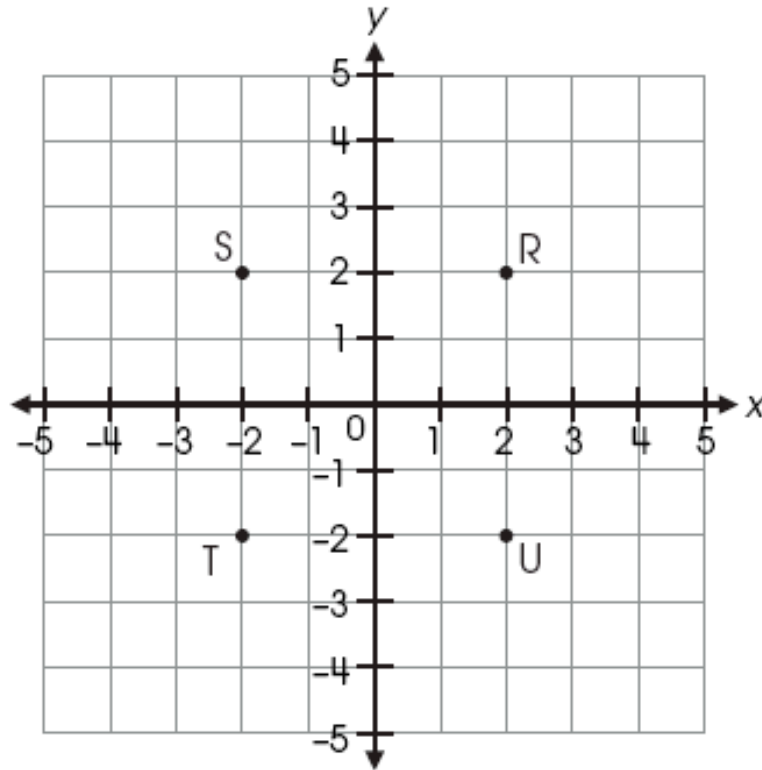
Which point is located at $(-3, 5)$?

- A. point M
- B. point N
- C. point P
- D. point Q

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Geometry and Spatial Sense

Question 4
Benchmark C
March 2008

4. Points R, S, T, and U are plotted on the grid as shown.

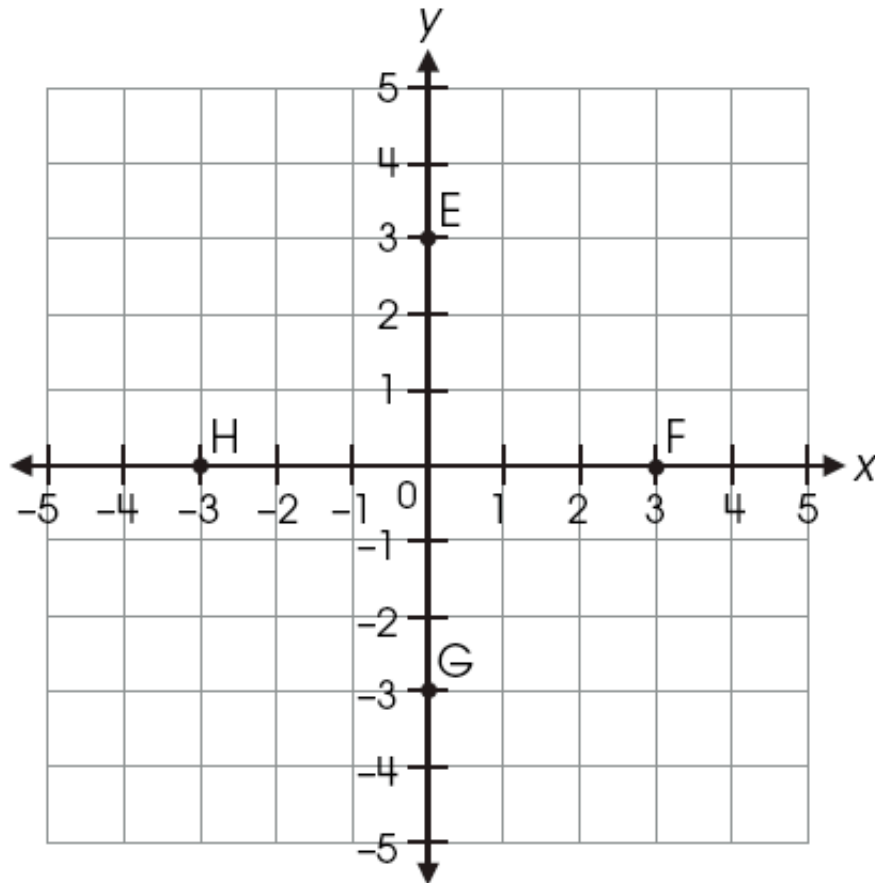


Which point is located at (2, -2)?

- A. point R
- B. point S
- C. point T
- D. point U

Question 36
Benchmark C
March 2006

36. Four points are shown on the coordinate plane.



Which point is located at $(0, -3)$?

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

Question 35
Benchmark D
March 2008

A triangle has one right angle and one acute angle.

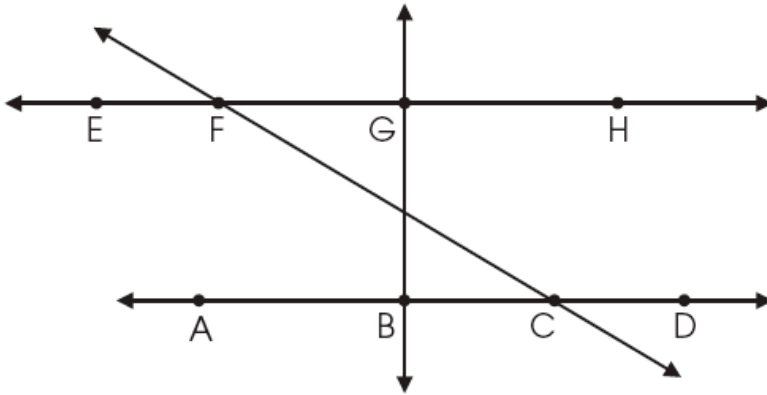
What kind of angle must its third angle be?

- A. acute
- B. obtuse
- C. right
- D. straight

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Geometry and Spatial Sense

Question 1
Benchmark D
March 2006

1. Four lines are drawn as shown.



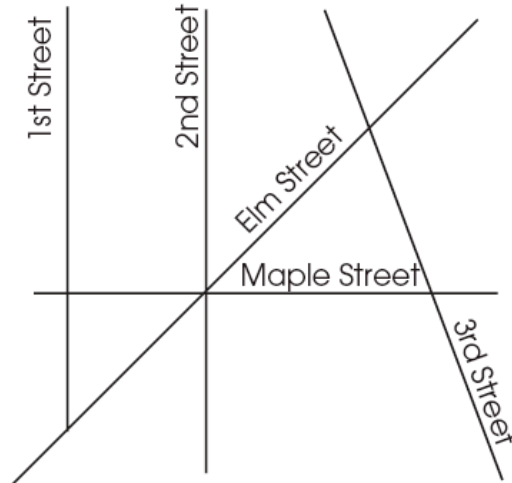
Which statement appears to be true of the two lines that intersect at point G ?

- A. They are rays.
- B. They are skew.
- C. They are parallel.
- D. They are perpendicular.

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Geometry and Spatial Sense

Question 19
Benchmark D
Spring 2007

19. A street map is shown.



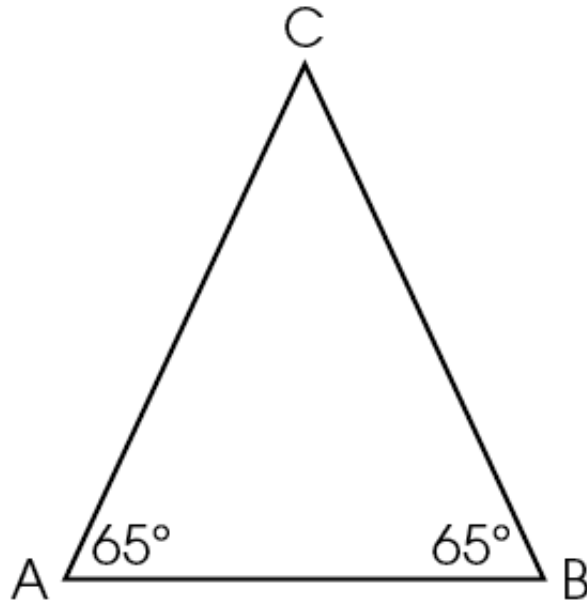
Susan lives on 1st Street. Her friend Allison lives on a street that is parallel to 1st Street.

On which street could Allison live?

- A. 3rd Street
- B. Elm Street
- C. 2nd Street
- D. Maple Street

Question 21
Benchmark G
March 2006

21. Triangle ABC is shown.



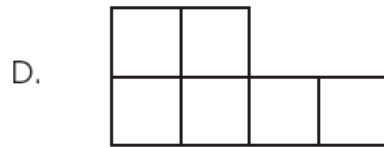
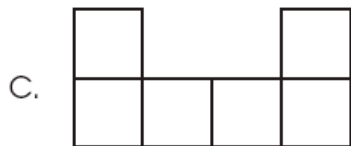
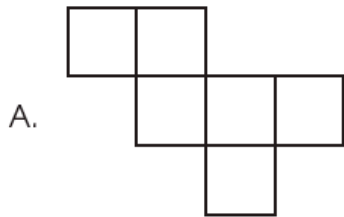
What is the measure of angle C?

- A. 50°
- B. 65°
- C. 90°
- D. 180°

5th Grade Mathematics Ohio Achievement Test
Geometry and Spatial Sense

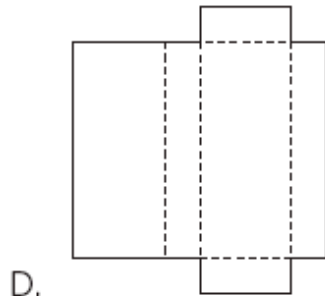
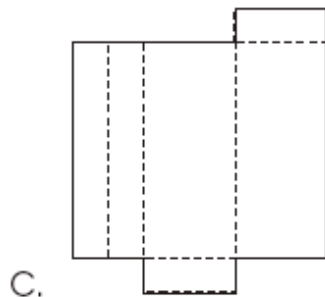
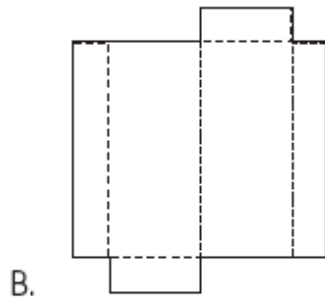
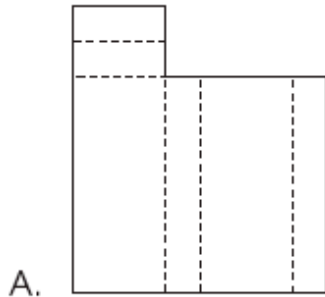
Question 16
Benchmark I
Spring 2009

16. Which net can be used to create a cube?



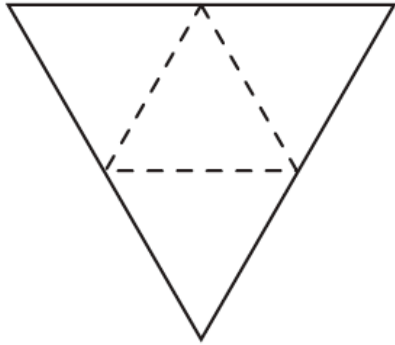
Question 18
Benchmark I
March 2006

18. Which figure shows the net for a rectangular prism?



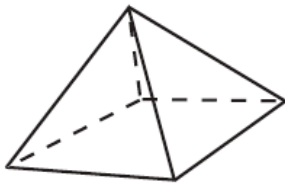
Question 39
Benchmark I
March 2006

39. A net of a three-dimensional shape is shown.

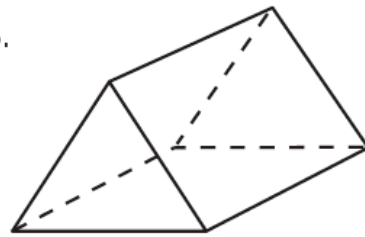


Which three-dimensional shape can be made from the net?

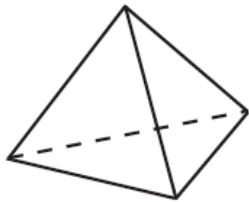
A.



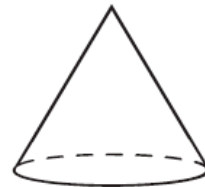
B.



C.



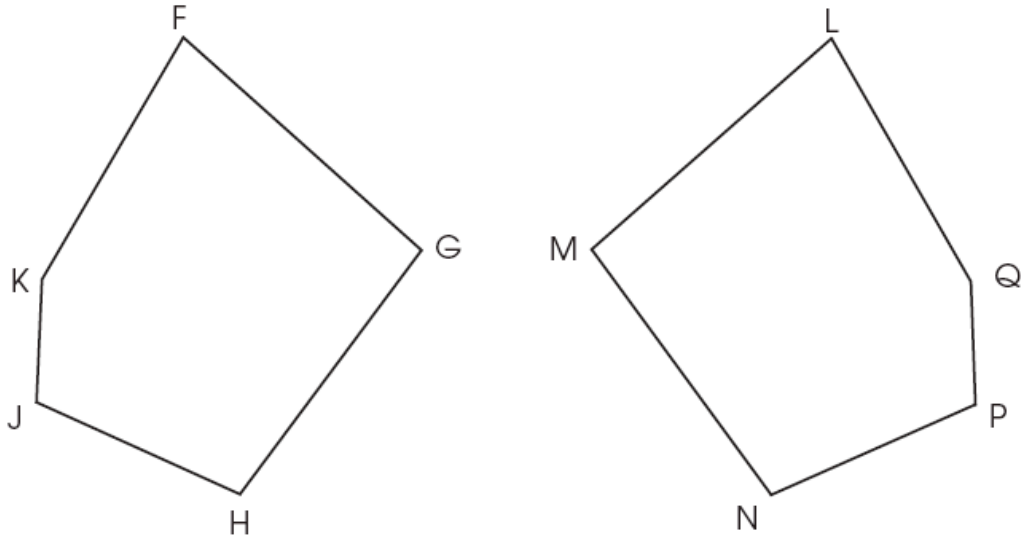
D.



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Geometry and Spatial Sense

Question 11
Benchmark J
Spring 2009

11. Pentagon $FGHJK$ is congruent to pentagon $LMNPQ$.



Which statement must be true?

- A. $\angle H$ is congruent to $\angle L$
- B. \overline{FK} is congruent to \overline{MN}
- C. \overline{GH} is congruent to \overline{NP}
- D. $\angle G$ is congruent to $\angle M$

5th Grade Mathematics Ohio Achievement Test
Geometry and Spatial Sense

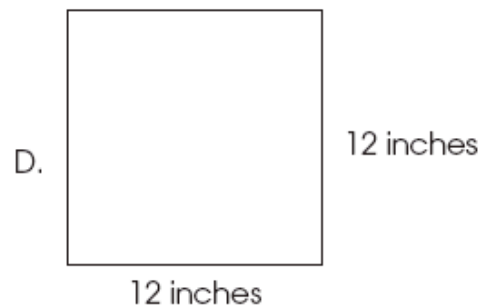
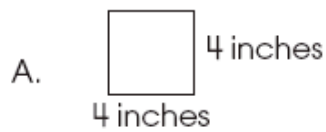
Question 19
Benchmark J
March 2008

19. Jay made a cardboard sign to announce an after-school picnic. - -



He is looking for a congruent piece of cardboard so that he can make a second sign.

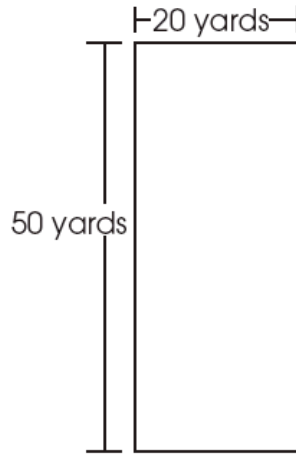
Which piece of cardboard could Jay use?



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Geometry and Spatial Sense

Question 38
Benchmark J
Spring 2007

38. Joel's field is 20 yards wide and 50 yards long, as shown.



He wants to divide his field into two congruent rectangular fields, one for corn and the other for strawberries.

In your **Answer Document**, determine the length and the width of the two new fields.

Explain how you know that the two new fields are congruent. (2 points)