



New York State Testing Program

Mathematics Test

Grade **5**

2009 Scoring Guide

31



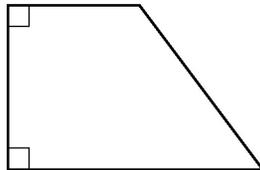
Use your ruler to help you solve this problem.



Use your protractor to help you solve this problem.

Part A

Gail's teacher asked her to identify two properties of the quadrilateral below.



[not drawn to scale]

On the lines below, complete Gail's statements about the quadrilateral.

This quadrilateral has exactly _____ right angles.

This quadrilateral has exactly _____ opposite parallel sides.

Part B

Shelby's teacher asked her to draw a figure with the properties listed below:

- It is a quadrilateral.
- There are two pairs of opposite parallel sides.
- The opposite parallel sides are the same length.
- All the angles have the same degree measure.

In the space below, draw Shelby's figure.

QUESTION 31

STRAND 3: GEOMETRY

Complete and Correct Response:

Part A

- 2 (right angles)

AND

- 2 (opposite parallel sides)

Part B

- Student should draw a square or a rectangle.
[Note: Each side measure can be in a range of + or –0.5 centimeter from its opposite side.]
[Note: Each angle measure can be in a range of 85 to 95 degrees.]

Score Points:

Apply 3-point holistic rubric.

NOTE: For Scoring instructions for the Braille version of this question, see *Scoring the Braille Edition*.

31



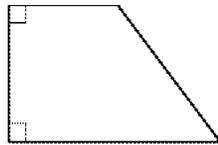
Use your ruler to help you solve this problem.



Use your protractor to help you solve this problem.

Part A

Gail's teacher asked her to identify two properties of the quadrilateral below.



[not drawn to scale]

On the lines below, complete Gail's statements about the quadrilateral.

This quadrilateral has exactly 2 right angles.

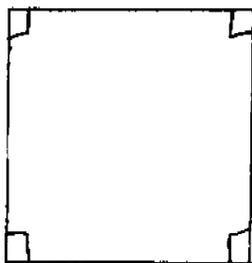
This quadrilateral has exactly 2 opposite parallel sides.

Part B

Shelby's teacher asked her to draw a figure with the properties listed below:

- It is a quadrilateral.
- There are two pairs of opposite parallel sides.
- The opposite parallel sides are the same length.
- All the angles have the same degree measure.

In the space below, draw Shelby's figure.



This response is complete and correct.

Score Point 3

31



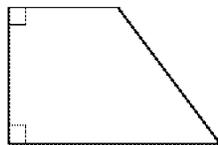
Use your ruler to help you solve this problem.



Use your protractor to help you solve this problem.

Part A

Gail's teacher asked her to identify two properties of the quadrilateral below.



[not drawn to scale]

On the lines below, complete Gail's statements about the quadrilateral.

This quadrilateral has exactly 2 right angles.

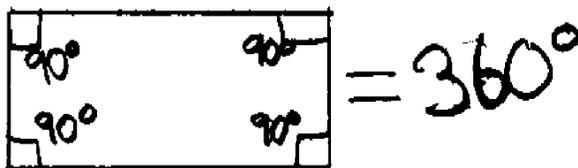
This quadrilateral has exactly 2 opposite parallel sides.

Part B

Shelby's teacher asked her to draw a figure with the properties listed below:

- It is a quadrilateral.
- There are two pairs of opposite parallel sides.
- The opposite parallel sides are the same length.
- All the angles have the same degree measure.

In the space below, draw Shelby's figure.



This response is complete and correct. Each side measure is in the range of plus or minus 0.5 centimeters from its opposite side, and each angle measure is in the range of 85 to 95 degrees.

Score Point 3

31



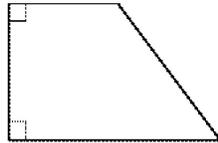
Use your ruler to help you solve this problem.



Use your protractor to help you solve this problem.

Part A

Gail's teacher asked her to identify two properties of the quadrilateral below.



[not drawn to scale]

On the lines below, complete Gail's statements about the quadrilateral.

This quadrilateral has exactly one right angles.

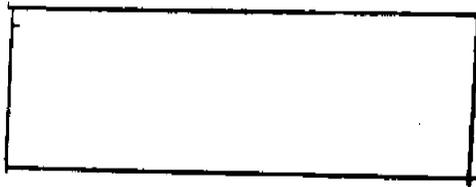
This quadrilateral has exactly two opposite parallel sides.

Part B

Shelby's teacher asked her to draw a figure with the properties listed below:

- It is a quadrilateral.
- There are two pairs of opposite parallel sides.
- The opposite parallel sides are the same length.
- All the angles have the same degree measure.

In the space below, draw Shelby's figure.



- rectangle

This response is partially correct. Part B is correct; however, Part A is incorrect. Both answers in Part A must be correct in order to demonstrate a thorough understanding of the task.

Score Point 2

31



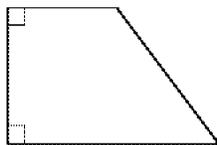
Use your ruler to help you solve this problem.



Use your protractor to help you solve this problem.

Part A

Gail's teacher asked her to identify two properties of the quadrilateral below.



[not drawn to scale]

On the lines below, complete Gail's statements about the quadrilateral.

This quadrilateral has exactly 2 right angles.

This quadrilateral has exactly 0 opposite parallel sides.

Part B

Shelby's teacher asked her to draw a figure with the properties listed below:

- It is a quadrilateral.
- There are two pairs of opposite parallel sides.
- The opposite parallel sides are the same length.
- All the angles have the same degree measure.

In the space below, draw Shelby's figure.



This response is partially correct. Part B is correct; however, Part A is incorrect. Both answers in Part A must be correct in order to demonstrate a thorough understanding of the task.

Score Point 2

31



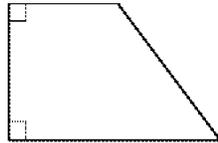
Use your ruler to help you solve this problem.



Use your protractor to help you solve this problem.

Part A

Gail's teacher asked her to identify two properties of the quadrilateral below.



[not drawn to scale]

On the lines below, complete Gail's statements about the quadrilateral.

This quadrilateral has exactly parallel right angles.

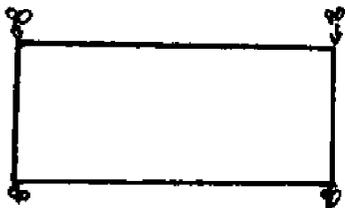
This quadrilateral has exactly right opposite parallel sides.

Part B

Shelby's teacher asked her to draw a figure with the properties listed below:

- It is a quadrilateral.
- There are two pairs of opposite parallel sides.
- The opposite parallel sides are the same length.
- All the angles have the same degree measure.

In the space below, draw Shelby's figure.



This response addresses some elements of the task correctly but provides reasoning that is faulty. The response in Part B is correct; however, the answers in Part A and response in Part B reflect a lack of essential understanding of the underlying mathematical concepts in the task.

Score Point 1

31



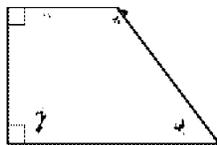
Use your ruler to help you solve this problem.



Use your protractor to help you solve this problem.

Part A

Gail's teacher asked her to identify two properties of the quadrilateral below.



[not drawn to scale]

On the lines below, complete Gail's statements about the quadrilateral.

This quadrilateral has exactly 2 right angles.

This quadrilateral has exactly 2 opposite parallel sides.

Part B

Shelby's teacher asked her to draw a figure with the properties listed below:

- It is a quadrilateral.
- There are two pairs of opposite parallel sides.
- The opposite parallel sides are the same length.
- All the angles have the same degree measure.

In the space below, draw Shelby's figure.

This response demonstrates only a limited understanding of the mathematical concepts embodied in the task. Part A is correct; however, Part B is missing.

Score Point 1

31



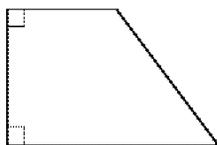
Use your ruler to help you solve this problem.



Use your protractor to help you solve this problem.

Part A

Gail's teacher asked her to identify two properties of the quadrilateral below.



[not drawn to scale]

On the lines below, complete Gail's statements about the quadrilateral.

This quadrilateral has exactly 2 right angles.

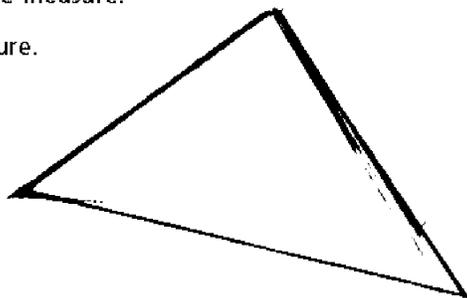
This quadrilateral has exactly 2 opposite parallel sides.

Part B

Shelby's teacher asked her to draw a figure with the properties listed below:

- It is a quadrilateral.
- There are two pairs of opposite parallel sides.
- The opposite parallel sides are the same length.
- All the angles have the same degree measure.

In the space below, draw Shelby's figure.



This response is incorrect.

Score Point 0

31



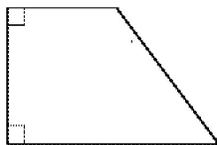
Use your ruler to help you solve this problem.



Use your protractor to help you solve this problem.

Part A

Gail's teacher asked her to identify two properties of the quadrilateral below.



[not drawn to scale]

On the lines below, complete Gail's statements about the quadrilateral.

This quadrilateral has exactly 2 right angles.

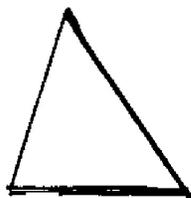
This quadrilateral has exactly not opposite parallel sides.

Part B

Shelby's teacher asked her to draw a figure with the properties listed below:

- It is a quadrilateral.
- There are two pairs of opposite parallel sides.
- The opposite parallel sides are the same length.
- All the angles have the same degree measure.

In the space below, draw Shelby's figure.



This response is incorrect.

Score Point 0



New York State Testing Program

Mathematics Test

Grade **5**

2009 Practice Set

31



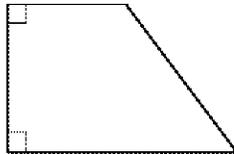
Use your ruler to help you solve this problem.



Use your protractor to help you solve this problem.

Part A

Gail's teacher asked her to identify two properties of the quadrilateral below.



[not drawn to scale]

On the lines below, complete Gail's statements about the quadrilateral.

This quadrilateral has exactly two 90° right angles.

This quadrilateral has exactly two opposite parallel sides.

Part B

Shelby's teacher asked her to draw a figure with the properties listed below:

- It is a quadrilateral.
- There are two pairs of opposite parallel sides.
- The opposite parallel sides are the same length.
- All the angles have the same degree measure.

In the space below, draw Shelby's figure.



31



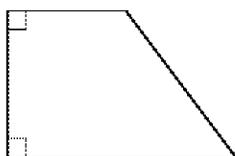
Use your ruler to help you solve this problem.



Use your protractor to help you solve this problem.

Part A

Gail's teacher asked her to identify two properties of the quadrilateral below.



[not drawn to scale]

On the lines below, complete Gail's statements about the quadrilateral.

This quadrilateral has exactly 2 right angles.

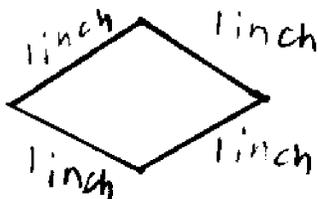
This quadrilateral has exactly 2 opposite parallel sides.

Part B

Shelby's teacher asked her to draw a figure with the properties listed below:

- It is a quadrilateral.
- There are two pairs of opposite parallel sides.
- The opposite parallel sides are the same length.
- All the angles have the same degree measure.

In the space below, draw Shelby's figure.



31



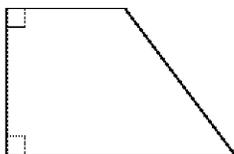
Use your ruler to help you solve this problem.



Use your protractor to help you solve this problem.

Part A

Gail's teacher asked her to identify two properties of the quadrilateral below.



[not drawn to scale]

On the lines below, complete Gail's statements about the quadrilateral.

This quadrilateral has exactly 2 right angles.

This quadrilateral has exactly 1 opposite parallel sides.

Part B

Shelby's teacher asked her to draw a figure with the properties listed below:

- It is a quadrilateral.
- There are two pairs of opposite parallel sides.
- The opposite parallel sides are the same length.
- All the angles have the same degree measure.

In the space below, draw Shelby's figure.



31



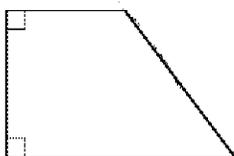
Use your ruler to help you solve this problem.



Use your protractor to help you solve this problem.

Part A

Gail's teacher asked her to identify two properties of the quadrilateral below.



[not drawn to scale]

On the lines below, complete Gail's statements about the quadrilateral.

This quadrilateral has exactly 2 right angles.

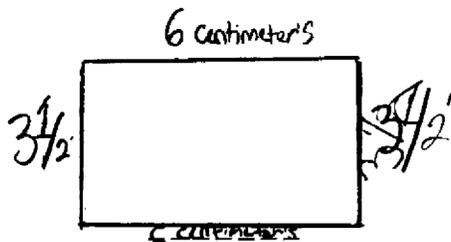
This quadrilateral has exactly 2 opposite parallel sides.

Part B

Shelby's teacher asked her to draw a figure with the properties listed below:

- It is a quadrilateral.
- There are two pairs of opposite parallel sides.
- The opposite parallel sides are the same length.
- All the angles have the same degree measure.

In the space below, draw Shelby's figure.



31



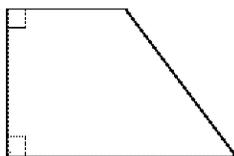
Use your ruler to help you solve this problem.



Use your protractor to help you solve this problem.

Part A

Gail's teacher asked her to identify two properties of the quadrilateral below.



[not drawn to scale]

On the lines below, complete Gail's statements about the quadrilateral.

This quadrilateral has exactly 34 right angles.

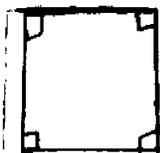
This quadrilateral has exactly 22 opposite parallel sides.

Part B

Shelby's teacher asked her to draw a figure with the properties listed below:

- It is a quadrilateral.
- There are two pairs of opposite parallel sides.
- The opposite parallel sides are the same length.
- All the angles have the same degree measure.

In the space below, draw Shelby's figure.



5th GRADE MATHEMATICS

Name: _____

PRACTICE SET ANSWER KEY

PS 1	(0-2)	
PS 2	(0-2)	
PS 3	(0-2)	
PS 4	(0-2)	
PS 5	(0-2)	
PS 6	(0-2)	
PS 7	(0-2)	
PS 8	(0-2)	
PS 9	(0-2)	
PS 10	(0-2)	
PS 11	(0-2)	
PS 12	(0-2)	
PS 13	(0-2)	
PS 14	(0-2)	
PS 15	(0-2)	
PS 16	(0-2)	
PS 17	(0-2)	
PS 18	(0-2)	
PS 19	(0-2)	
PS 20	(0-2)	

PS 21	(0-3)	
PS 22	(0-3)	
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PS 24	(0-3)	
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PS 38	(0-3)	
PS 39	(0-3)	
PS 40	(0-3)	