1 Which of these are ordered pairs?	3 W
A. 4, 9 and 5, 2	gi
B. (4, 9 and 5, 2)	5
C. (4, 9) and (5, 2)	4
D (4.9) and (5.2)	
D: (+3) and (52)	3
Mastar ID: 2278030 Pavision:	2
Correct:	
Rationale:	0
A. Student(s) may have forgotten to	use
D Student(a) may have thought that	hoth pote A. (
of pairs should be contained withi	n the same B. (
parentheses.	C. (
C. Correct answer	
D. Student(s) may have thought then	e was no
need to use commas within the	
Rubric: 1 Point(s)	Maste
Standards:	Correc
CCSS.Math.Content.5.G.A.1	Ration
	A.
$\begin{bmatrix} 2 \\ (5, 9) \end{bmatrix}$ what are the <i>y</i> -coordinates for the or (5, 9) and (7, 3)?	dered pairs B.
A. 5 and 3	C.
B. 9 and 3	D.
C. 9 and 7	Derhart
D 5 and 7	Rubric
	Stanua
	L
Master ID: 3278943 Revision:	1
Correct: B	
Kationale:	a x and y
coordinate for the first pair.	
B. Correct answer	

- Student(s) may have confused the y-C. coordinate for the second pair.
- Student(s) may have confused x- and y-D. coordinates.

Rubric: 1 Point(s) Standards:

CCSS.Math.Content.5.G.A.1

/hich of the following represents Point S on the aph shown below?



- (0, 3)
- 4, 0)
- (3, 4)
- 4, 3)





Grid Plots Graph

Directions: Read the passage below and answer the question(s) that follow.

4 What is the correct way to write the ordered pair for point C?





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6 The table below shows the number of inches tall Claudia was every year from when she was born to when she turned five.

Age	Inches Tall
0	20
1	29
2	34
3	37
4	40
5	42

Which	graph	correctly	displays	this	data?
	g. ~p			•••••	

A. Claudia's First Five Years



Height (inches) D. Claudia's First Five Years

35

0 25

Continue: Turn to the next page.

45

Page 4

Correct:	D: 3290920 Revision: 1
Correct	
concet.	В
Rational	e:
A. 3	Student(s) labeled the axes incorrectly.
B. (Correct answer
C. 3	Student(s) mixed up the dependent and
i	ndependent variables and plotted
á	accordingly. Student(s) also started the x-
á	axis at 20 instead of 0, and plotted all of the
ł	neights 5 inches too tall.
D. 3	Student(s) plotted all of the heights 5 inches
t	too tall. Student(s) also started the γ -axis at
	25 instead of 0.
Rubric:	1 Point(s)
Standard	ls:
CC	CSS.Math.Content.5.G.A.2

7 This graph shows the relationship between the amount of rainfall and the growth of the sunflowers.



According to this data, how much does it have to rain to get a 5 in. tall sunflower?

- A. 2.5"
- B. 5"
- C. 9"
- D. 10"

		_
Master	ID: 3273479 Revision:	
Correct	: D	
Rationa	le:	
Α.	Student(s) may have referred to the wrong	
	axis. Student(s) may have looked at 5 on the)
	x axis instead of the y axis.	
В.	Student(s) may not have understood how to	
	get the information from the graph.	
	Student(s) may have guessed and thought	
	that the amount of rainfall was equal to the	
	height of the sunflower.	
C.	Student(s) may have found the 5 on the y	
	axis but not followed it across accurately	
	and thought that it corresponded to the point	t
	at 9 on the <i>x</i> axis.	
D.	Correct answer	
Rubric:	1 Point(s)	
Standar	ds:	
C	CSS.Math.Content.5.G.A.2	

8 This graph shows the relationship between a worm's age and its length.



Based on the graph, at what age is the worm's length equal to its age?

- A. 5
- B. 6
- C. 7
- D. 8

Master ID: 1 3273499 Revision: С Correct: Rationale: Student(s) may not have been able to A. determine the correct answer. Student(s) may have chosen the age and length that is in the middle of the range on the x and y axis. Student(s) may have misread the graph. B. Student(s) may not have followed the graph lines straight and thought that the 6 and the 6 met at a point. They are only .5 off. C. Correct answer Student(s) may have misread the graph. D. Student(s) may not have followed the graph lines straight and thought that the 8 and the 8 met at a point. They are only .5 off. Rubric: 1 Point(s) Standards:

9 Jenny wants to know about how far apart the objects in her room are to one another, so she created a map using the coordinate plane below. Each line segment of her graph represents 1 foot, and Jenny will only use the lines to determine the distances.

Which of the following statements about Jenny's map are correct? Select two that apply.



- A. The shortest distance between the dresser and bed is closer than the shortest distance between the bed and the lamp.
- B. The shortest distance between the bookshelf and desk is 8 feet.
- C. If Jenny is sitting in her chair, she is closer to the dresser than she is to the lamp.
- D. The distance from her desk to her chair is 5 feet.



10 The mayor of Menville was keeping track of the population growth over a four year period. The following graph shows the results.

Population Growth



During which time period did the population of Menville grow the MOST?

- A. 2003-2004
- 2004-2005 B.
- C. 2005-2006
- D. 2006-2007

		_
Master	ID: 3228957 Revision:	1
Correct	: C	
Rationa	le:	
A.	Student(s) may have chosen the year that	
	had the least growth in population.	
B.	Student(s) may not have realized that the	
	population growth of 2004 was less than the	;
	population growth of 2005.	
C.	Correct answer	
D.	Student(s) may have thought that 2006	
	experienced the most growth because there	
	was a significant jump from 2005-2006, but	
	not from 2006-2007.	
Rubric:	1 Point(s)	
Standar	ds:	
С	CSS.Math.Content.5.G.A.2	

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11 Mrs. Seymour wants her students to draw a shape with all of these properties:

- four sides
- opposite sides are the same length
- opposite sides are parallel
- opposite angles are equal

The only instructions Mrs. Seymour gives her students, though, is to draw a shape of a certain kind. Which kind of shape should she NOT ask her students to draw if she wants to make sure each shape has all four of the properties listed?

- A. square
- B. trapezoid
- C. rhombus
- D. rectangle

3702836 Revision:

1

Correct: Rationale:

Master ID:

A. All squares have all four of the listed properties, so asking her students to draw a square should work.

В

- Not all trapezoids have opposite sides that B. are the same length or opposite angles that are equal. Mrs. Seymour can't be sure all of her students will draw a shape with the four properties if she asks them to draw a trapezoid.
- C. All rhombuses have all four of the listed properties, so asking her students to draw a rhombus should work.
- All rectangles have all four of the listed D. properties, so asking her students to draw a rectangle should work.

Rubric: 1 Point(s)

Standards:

CCSS.Math.Content.5.G.B.3

- 12 All rectangles have four sides, two pairs of parallel sides, and all right angles. All shapes of what kind share these properties with rectangles?
- A. trapezoid
- B. square
- C. parallelogram
- D. rhombus

Master ID:	3667546 Revision:	1
Correct:	В	
Rationale:		
A. A trapezoid w	ith one pair of parallel sides	
does not have	a these properties of	

- does not have these properties or rectangles. B. Squares are a subcategory of rectangles
- (rectangles with all sides the same length), so all squares have the properties of rectangles.
- C. A parallelogram with acute and obtuse angles does not have these properties of rectangles.
- D. A rhombus that does not have right angles does not have these properties of rectangles.

Rubric: 1 Point(s) Standards:

- 13 Shana is making a design using quadrilaterals. She wants to use quadrilaterals that each have two pairs of parallel sides and four right angles. Which two shapes can she use?
- A. any rectangle and any trapezoid
- B. any square and any parallelogram
- C. any rectangle and any square
- D. any triangle and any parallelogram

Master	ID: 3658293 Revision:	1
Correct	C C	
Rationa	le:	
Α.	All trapezoids are quadrilaterals, but they	
	may have only one pair of parallel sides.	
В.	All parallelograms are quadrilaterals with	
	two pairs of parallel sides, but not all have	
	right angles.	
С.	All squares and rectangles are	
	quadrilaterals that have two pairs of parallel	
sides and four right angles.		
D.	All triangles are not quadrilaterals because	
they have 3 sides instead of 4 sides. All		
parallelograms are quadrilaterals with two		
pairs of parallel sides, but not all have right		
	angles.	
Rubric:	1 Point(s)	
Standards:		
C	CCSS.Math.Content.5.G.B.3	

14 Josh drew the following shape.



Which statement about this shape is true?

- A. Because it is a trapezoid, it is also a parallelogram.
- B. Because it is a parallelogram, it is also a trapezoid.
- C. Because it is a quadrilateral, it is also a trapezoid.
- D. Because it is a trapezoid, it is also a quadrilateral.

Master	ID: 3650147 Revision:
Correct	: D
Rationa	ıle:
A.	It is not true that all trapezoids are parallelograms. This shape has only one pair of parallel sides, but a parallelogram must have two pairs of parallel sides.
В.	The shape is not a parallelogram because it has only one pair of parallel sides.
C.	It is true that the shape is both a quadrilateral and a trapezoid. However, it is not a trapezoid because it is a quadrilateral. Not all quadrilaterals are trapezoids.
D.	Trapezoids are a subcategory of quadrilaterals, so any trapezoid is also a quadrilateral.
Rubric:	1 Point(s)

- 15 Mr. Spence asks his math students to identify two kinds of shapes using the clues below.
 - Each shape must have all sides of equal length.
 - Each shape must have 4 sides.
 - Each shape must have two pairs of parallel sides.

Which two kinds of shapes can Mr. Spence be describing?

- A. squares, parallelograms
- B. rhombuses, rectangles
- C. squares, rhombuses
- D. rectangles, trapezoids

Master	ID: 3650146 Revision: 1
Correct	: C
Rationa	le:
А.	Parallelograms do not have to have all sides of equal length.
В.	Rectangles do not have to have all sides of equal length.
C.	Both these shapes must have all the listed attributes.
D.	Neither rectangles nor trapezoids must have all sides of equal length. Also, trapezoids do not have to have two pairs of parallel sides.
Rubric:	1 Point(s)

Standards:

CCSS.Math.Content.5.G.B.3

16 Which of the following figures prove this statement is *false*?

"Polygons are any closed figures."

Select the two figures that best apply.



Master	ID:	3231797 Revision:	1
Correc	t:	BC	
Ration	ale:		
A.	Student(s) ma	y have mistaken a triangle as	3
	a figure other	than a polygon.	
B.	Correct answe	er	
C.	Correct answe	er	

 D. Student(s) may have been unfamiliar with the properties of polygons.

Rubric: 1 Point(s)

Standards:

1

Directions: Answer the following question(s).

17 Oliver made the following statement:

"A rhombus is a parallelogram. Therefore, a rhombus is also a _____.

What word should be placed in the blank to make Oliver's statement true?

- A. square
- B. rectangle
- C. quadrilateral
- D. right trapezoid

3711143 Revision: Master ID: С Correct:

Rationale:

- A. A rhombus is not necessarily a square because it may not have four right angles.
- A rhombus is not necessarily a rectangle B. because it may not have four right angles.
- A rhombus is quadrilateral because all C. parallelograms are quadrilaterals.
- D. A rhombus is not necessarily a right trapezoid because it may not have right angles.

Rubric: 1 Point(s)

Standards:

CCSS.Math.Content.5.G.B.4

Look at the shape below. 18

Choose the TWO names that can be used to describe the shape shown.

- A. square
- B. rectangle
- C. kite
- D. parallelogram
- E. quadrilateral

Master	ID: 3619667 Revision: 1
Correct	:: DE
Rationa	ıle:
A.	This is the result of not recognizing that a square has four right angles and equal side lengths, which the given shape does not have.
В.	This is the result of not recognizing that a rectangle has four right angles, which the given shape does not have.
C.	This is the result of not recognizing that a kite has two pairs of equal-length sides that are adjacent to each other, which the given shape does not have.
D.	A parallelogram has four sides and two pair of parallel sides, as does the given shape.
E.	A quadrilateral is defined as a shape with four sides, and the given shape has four sides.
Rubric:	1 Point(s)
Chandar	

Standards:

- 19 Which of these shapes can be classified as a polygon, quadrilateral, and a parallelogram?
- A. trapezoid
- B. rhombus
- C. triangle
- D. pentagon

Master ID: 3247392 Revision: 1 Correct: В Rationale: Student(s) may have known that a trapezoid A. could be classified as a polygon and a quadrilateral. Student(s) may not have realized that a trapezoid was not a type of parallelogram. Correct answer B. Student(s) may have known that a triangle C. was a type of polygon, but may not have checked to see if it could have been classified as a quadrilateral or a parallelogram. D. Student(s) may have known that is was a type of polygon. Student(s) may not have known the other properties of a pentagon and chose this option.

Rubric: 1 Point(s) Standards:

CCSS.Math.Content.5.G.B.4

20 Look at the hierarchy below. Which figure can be placed below the rectangle in this hierarchy?



- A. rhombus
- B. trapezoid
- C. square
- D. triangle

Master	ID: 3247315 Revision: 1
Correct	: C
Rationale:	
A.	Student(s) may have chosen this option
	because a rhombus could be classified as a
	polygon, quadrilateral, and a parallelogram.
	Student(s) may have ignored the word
	rectangle in the hierarchy.
B.	Student(s) may have chosen this option
	because a trapezoid was a type of polygon
	and quadrilateral. Student(s) may have
	ignored the other figures in the hierarchy.
C.	Correct answer
D.	Student(s) may have known that a triangle
	was a type of polygon but may not have
	looked to see if it could be classified as the
	other figures in this hierarchy.
Rubric:	1 Point(s)
Standards:	