

Mr. McCaffrey's Big Tamale Geometry CST Review Test.




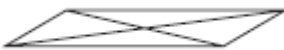
Multiple Choice

Identify the choice that best completes the statement or answers the question.

- ___ 1. In the statement "If a figure has three sides, it is a triangle," the phrase "...it is a triangle" is which of the following?
- hypothesis
 - conclusion
 - conditional
 - converse

- ___ 2. Which figure is a counterexample to the statement below?

For any quadrilateral, the lengths of its diagonals are equal.

- | | | | |
|----|---|----|--|
| a. |  | c. |  |
| b. |  | d. |  |

- ___ 3. Which of the following can be used to prove that a conditional statement is false?
- counterexample
 - converse
 - conclusion
 - hypothesis

- ___ 4. Which figure can serve as a counterexample to the conjecture below?

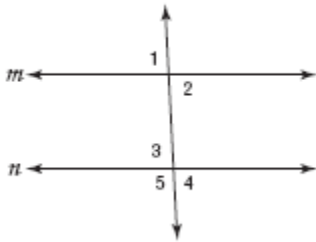
If one pair of opposite sides of a quadrilateral is parallel, and the other pair is congruent, then the quadrilateral is a parallelogram.

- | | | | |
|----|-----------|----|-----------|
| a. | square | c. | rhombus |
| b. | rectangle | d. | trapezoid |
- ___ 5. Suppose a conditional statement is true. Which of the following is true about its converse?
- It is true.
 - It is false.
 - It is possibly true.
 - It is neither true nor false.
- ___ 6. Which statement is the converse of the statement "If a polygon has eight sides, then it is an octagon"?
- An octagon has eight sides.
 - An eight-sided polygon is an octagon.
 - If a polygon is an octagon, then it has eight sides.
 - If a polygon is an octagon, then it has eight angles.
- ___ 7. Given: $ABCD$ is a parallelogram with diagonals \overline{AC} and \overline{BD} . Which of the following must be true?
- | | | | |
|----|-------------------------------------|----|---|
| a. | $\overline{AC} \perp \overline{BD}$ | c. | $\overline{AC} \parallel \overline{BD}$ |
| b. | $\overline{AC} \cong \overline{BD}$ | d. | \overline{AC} bisects \overline{BD} . |
- ___ 8. Given the statements below, which conclusion is valid?

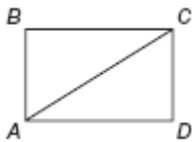
All birds have feathers. A penguin is a bird.

- a. All penguins have feathers.
- b. All birds are penguins.
- c. All penguins can fly.
- d. All birds lay eggs.

- ___ 9. If the conclusion is false in a valid argument, then which of the following must be false?
- a. inverse
 - b. converse
 - c. argument
 - d. hypothesis
- ___ 10. Which of the following is the inverse of the statement “A square is a rectangle”?
- a. If a figure is not a square, then it is not a rectangle.
 - b. If a figure is not a rectangle, then it is not a square.
 - c. A rectangle is a square.
 - d. Some rectangles are squares.
- ___ 11. Write the following statement as a conditional statement: “All fish can swim.”
- a. If an animal is a fish, then it can swim.
 - b. If an animal can swim, then it is a fish.
 - c. If an animal cannot swim, then it is not a fish.
 - d. If an animal is not a fish, then it cannot swim.
- ___ 12. In the figure below, line m is parallel to line n . Which of the following does *not* have to be true?



- a. $\angle 1 \cong \angle 2$
 - b. $\angle 1 \cong \angle 3$
 - c. $\angle 1 \cong \angle 4$
 - d. $\angle 1 \cong \angle 5$
- ___ 13. How many counterexamples are needed to disprove the conjecture “Two lines in a plane always intersect at exactly one point”?
- a. 0
 - b. 1
 - c. 2
 - d. many more than 2
- ___ 14. Given: $\angle B$ and $\angle D$ are right angles.



Which reason justifies the statement $m\angle B = m\angle D$?

- a. definition of rectangle

- b. definition of hypotenuse
- c. equality of right angles
- d. the sum of the measures of the angles of a 180° triangle

___ 15. Devon wants to prove that $\triangle ABD \cong \triangle CBD$.



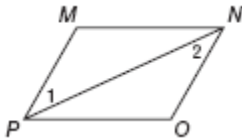
One step in Devon's proof is the statement $\overline{BD} \cong \overline{BD}$. Which reason justifies that statement?

- a. definition of midpoint
- b. congruency of corresponding parts of congruent triangles
- c. Substitution Property
- d. Reflexive Property

___ 16. In parallelogram $ABCD$, diagonals \overline{AC} and \overline{BD} intersect at E . Which of the following statements does *not* have to be true?

- a. $\angle AEB \cong \angle DEC$
- b. $\angle AED \cong \angle BEC$
- c. $\angle BCE \cong \angle DAE$
- d. $\angle ABD \cong \angle BCD$

___ 17. Jasmine wants to prove that $\triangle MNP \cong \triangle OPN$ in the parallelogram $MNOP$.



Which of the following supports Jasmine's assertion that $\angle 1 \cong \angle 2$?

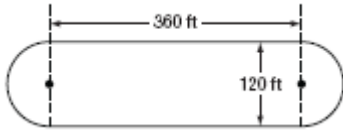
- a. If two parallel lines are intersected by a transversal, then alternate interior angles are congruent.
- b. If two parallel lines are intersected by a transversal, then corresponding angles are supplementary.
- c. If a quadrilateral is a parallelogram, then its opposite sides are congruent.
- d. If a quadrilateral is a parallelogram, then its opposite angles are congruent.

___ 18. Which triangles must be congruent?

- a. two similar right triangles
- b. two obtuse triangles with congruent bases
- c. two equilateral triangles with congruent bases
- d. two similar isosceles triangles

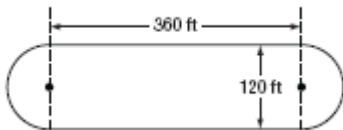
___ 19. Which of the following would be enough to prove $\triangle CDT \sim \triangle RST$?

- ___ 33. A prism has volume 90 cm^3 . It has a square base whose area is 9 cm^2 . What is its surface area?
- 138 cm^2
 - 198 cm^2
 - 270 cm^2
 - 810 cm^2
- ___ 34. Which of the following techniques can be used to find the volume of any right prism or cylinder?
- find the area of each side and multiply by the height
 - multiply the length and the width and the height
 - double the area of each side and add the results together
 - find the area of the base and multiply by the height
- ___ 35. A carpenter needs 42 feet of crown molding to finish the perimeter of a rectangular room. One side of the room is 12 feet long. How much carpet will he need to finish the room?
- 64 ft^2
 - 108 ft^2
 - 144 ft^2
 - 504 ft^2
- ___ 36. A school put in a new football field. The field has a running track around its perimeter. The dimensions are shown in the figure below.

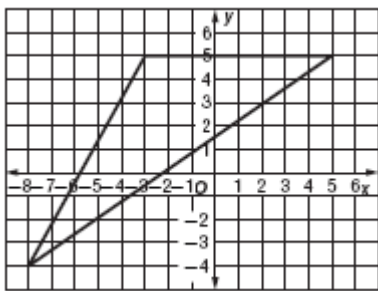


If the groundskeeper could mow 400 square feet per minute, how long would it take her to mow the entire field, to the nearest minute?

- 100 minutes
 - 108 minutes
 - 136 minutes
 - 185 minutes
- ___ 37. A runner wants to jog around the perimeter of the field. How far will the runner go in one lap?



- 720 ft
 - 960 ft
 - 1005 ft
 - 1097 ft
- ___ 38. The triangle shown on the coordinate plane below has vertices at $(-3, 5)$, $(-8, -4)$ and $(5, 5)$.



What is its area, in square units?

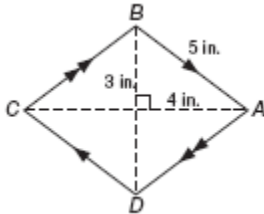
- a. 24
- b. 32
- c. 36
- d. 72

- ___ 39. One side of an equilateral triangle is 10 inches long. Find the area, to the nearest square inch.
- a. 30 sq in.
 - b. 43 sq in.
 - c. 50 sq in.
 - d. 100 sq in.
- ___ 40. Juanita is going to put a new floor in her kitchen. Her kitchen is 15 feet long and 18 feet wide. She wants to use tiles that are 9 inches square. How many tiles will she need to cover the kitchen floor?
- a. 480
 - b. 270
 - c. 136
 - d. 66
- ___ 41. Which of the following figures will have the greatest area?
- a. a scalene triangle with perimeter 54 in., base 20 in., and height 10 in.
 - b. a rhombus with side 13 in., short diagonal 10 in., and long diagonal 24 in.
 - c. a trapezoid with short base 12 in., long base 16 in., and height 8 in.
 - d. a parallelogram with short side 12 in., long side (base) 13 in., and height 9 in.

- ___ 42. Which of the following sketches does *not* illustrate the altitude (height) of a triangle?



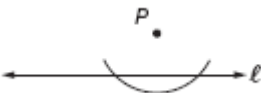
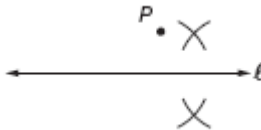
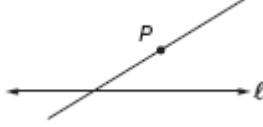
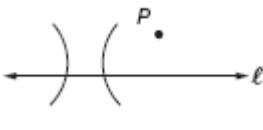
- ___ 43. Figure $ABCD$ is a rhombus. Find its area.



- a. 12 sq in.
 - b. 20 sq in.
 - c. 24 sq in.
 - d. 60 sq in.
- ___ 44. Isosceles trapezoid $EFGH$ has area 80 cm^2 , height 20 cm, and legs 22 cm. One of the bases is 5 cm. How long is the remaining base?
- a. 3 cm
 - b. 4 cm
 - c. 20 cm
 - d. 24 cm
- ___ 45. If the base of parallelogram $MNOP$ is 1 inch less than twice its height, which expression represents the area of the parallelogram?
- a. $(x)(2x - 1)$
 - b. $2(2x - 1)$
 - c. $(2x - 1)^2$
 - d. $\frac{(x)(2x - 1)}{2}$

- c. Adjust the compass so that it is the width of the largest part of $\angle R$.
- d. From the vertex of $\angle R$, draw an arc through one side of the angle.

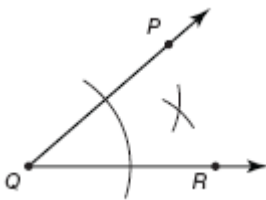
64. Tanesha is constructing a line parallel to line ℓ through point P . Which of the following should be her first step?

- a. 
- b. 
- c. 
- d. 

65. Jacob plans to use a straightedge and a compass to construct a line that is perpendicular to line ℓ and passes through point J , which is a point *not* on ℓ . What is the first step he should take?

- a. From point J , draw an arc that intersects line ℓ in two different places.
- b. From point J , draw an arc above J and an arc below J .
- c. Draw a line through point J intersecting line ℓ .
- d. Draw a line through point J parallel to line ℓ .

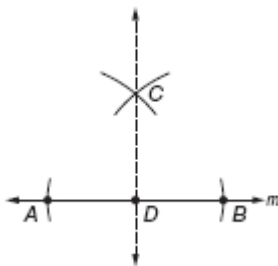
66. Emily is using a straightedge and a compass to do the construction shown below.



Which *best* describes Emily's construction?

- a. a line through P parallel to \overline{QR}
- b. a line through P intersecting \overline{QR}
- c. a bisector of \overline{QR}
- d. a bisector of $\angle Q$

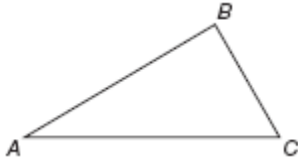
67. What is the first step in constructing a line perpendicular to line m through point D ?



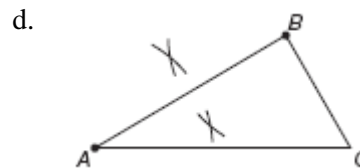
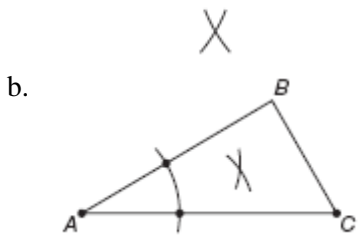
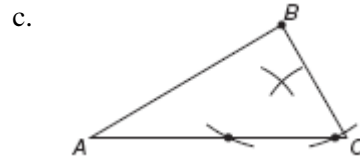
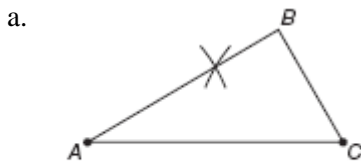
- a. Draw line \overleftrightarrow{CD} .
- b. From point A , draw an arc through point B .
- c. From point D , draw equal arcs that intersect at A and B .

d. From points A and B , draw equal arcs that intersect at C .

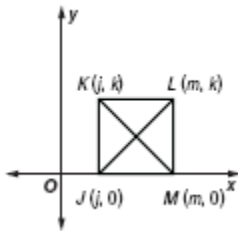
- ___ 68. Carlos plans to use a straightedge and compass to construct a perpendicular bisector of \overline{AC} in $\triangle ABC$ shown below.



Which shows the construction?



- ___ 69. What are the coordinates of the point of intersection of the diagonals of $JKLM$?

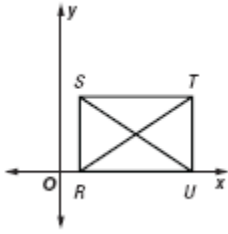


- | | |
|--|--|
| a. $\left(\frac{m}{2}, \frac{k}{2}\right)$ | c. $\left(\frac{j+m}{2}, \frac{k}{2}\right)$ |
| b. $\left(\frac{j}{2}, \frac{k}{2}\right)$ | d. $\left(\frac{j+m}{2}, \frac{j+k}{2}\right)$ |

- ___ 70. What type of triangle is formed by the points $P(1, 6)$, $Q(-2, 3)$, and $R(8, -1)$?
- | | |
|----------|----------------|
| a. right | c. isosceles |
| b. acute | d. equilateral |

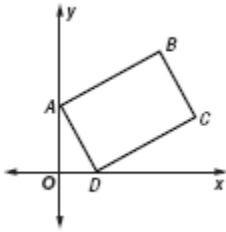
- ___ 71. What type of figure is formed by the points $F(-2, 1)$, $G(0, 5)$, $H(6, 5)$, and $J(4, 1)$?
- | | |
|--------------|------------------|
| a. square | c. trapezoid |
| b. rectangle | d. parallelogram |

72. Given that quadrilateral $RSTU$ is a parallelogram, which is necessary in order to conclude that $RSTU$ is a rectangle?



- $(\text{slope } \overline{SU})(\text{slope } \overline{RT}) = 1$
- $(\text{slope } \overline{SU})(\text{slope } \overline{RT}) = -1$
- distance from R to T = distance from R to U
- distance from R to T = distance from S to U

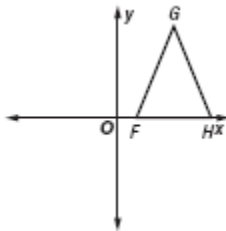
73. The figure below shows rectangle $ABCD$.



Which is a true statement?

- $(\text{slope } \overline{AB})(\text{slope } \overline{BC}) = -1$
- $(\text{slope } \overline{AB})(\text{slope } \overline{BC}) = 1$
- $\text{slope } \overline{AB} = \text{slope } \overline{BC}$
- $\text{slope } \overline{AB} = 2(\text{slope } \overline{BC})$

74. The figure below shows $\triangle FGH$.



Which statement would prove that $\triangle FGH$ is an isosceles triangle?

- $(\text{slope } \overline{FG})(\text{slope } \overline{GH}) = 1$
- $(\text{slope } \overline{FG})(\text{slope } \overline{GH}) = -1$
- distance from F to G = distance from G to H
- distance from F to G = $-(\text{distance from } G \text{ to } H)$

75. What type of triangle is formed by the points $J(-3, 5)$, $K(1, 10)$, and $L(4, 0)$?

- right
- scalene
- isosceles
- equilateral



What is the length of \overline{AC} ?

- a. 24
- b. 36
- c. 40
- d. 54

87. In the triangle below, $\tan x \approx 0.47$. Approximately how far is the cat from the girl?

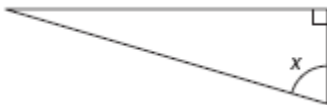


- a. 11.9 ft
- b. 10.6 ft
- c. 4.7 ft
- d. 2.4 ft

88. In a right triangle, $\cos x = \frac{24}{a}$, and $\sin x = \frac{7}{a}$. What is $\tan x$?

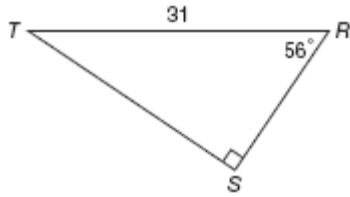
- a. $\frac{25}{7}$
- b. $\frac{7}{25}$
- c. $\frac{24}{7}$
- d. $\frac{7}{24}$

89. In the figure below, if $\tan x = \frac{48}{14}$, then what is $\sin x$?



- a. $\frac{14}{48}$
- b. $\frac{14}{50}$
- c. $\frac{50}{48}$
- d. $\frac{48}{50}$

90. Triangle RST is shown below.



Which equation should be used to find the length of \overline{RS} ?

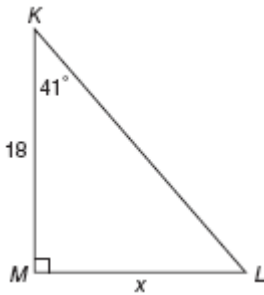
a. $\sin 56^\circ = \frac{RS}{31}$

c. $\cos 56^\circ = \frac{RS}{31}$

b. $\sin 56^\circ = \frac{31}{RS}$

d. $\cos 56^\circ = \frac{31}{RS}$

91. In the figure below, $m\angle K = 41^\circ$, and $MK = 18$.



Which equation could be used to find x in $\triangle KLM$?

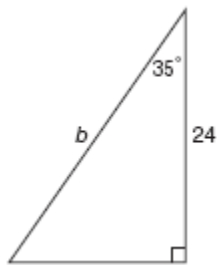
a. $x = 18 \sin 41^\circ$

c. $x = 18 \tan 41^\circ$

b. $x = 18 \cos 41^\circ$

d. $x = \frac{18}{\sin 41^\circ}$

92. In the triangle below, which equation should be used to find the length of the hypotenuse?



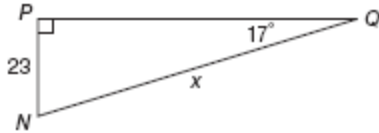
a. $b = 24 \sin 35^\circ$

c. $b = \frac{24}{\sin 35^\circ}$

b. $b = 24 \cos 35^\circ$

d. $b = \frac{24}{\cos 35^\circ}$

93. The figure below shows a 10-foot ladder leaning against a wall. The ladder makes a 62° angle with the ground.



Which equation could be used to find the value of x in $\triangle NPQ$?

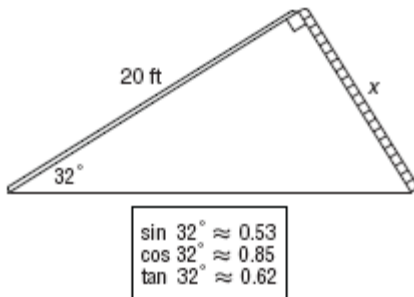
a. $x = \frac{23}{\sin 17^\circ}$

c. $x = \frac{\tan 17^\circ}{23}$

b. $x = \frac{23}{\cos 17^\circ}$

d. $x = \frac{\cos 17^\circ}{23}$

98. The figure below shows a 20-foot water slide. The slide makes a 32° angle with the ground.



Which is closest to the length of the ladder?

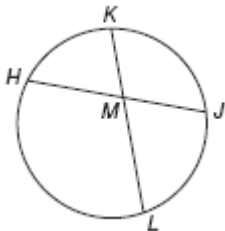
a. 10.6

c. 23.6

b. 12.4

d. 32.0

99. In the circle below, \overline{HJ} and \overline{KL} are chords intersecting at M .



If $HM = 6$, $JM = 6$, and $LM = 9$, then what is the length of \overline{KM} ?

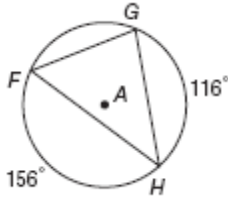
a. 3

c. 12

b. 4

d. 36

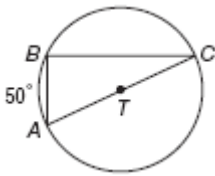
100. \overleftrightarrow{BG} is tangent at point B to a circle whose center is C . \overline{BD} is a diameter.



What is $m\angle FHG$?

- a. 88°
- b. 64°
- c. 44°
- d. 32°

___ 104. In the figure below, $\triangle ABC$ is inscribed in circle T and $m\widehat{AB} = 50^\circ$.



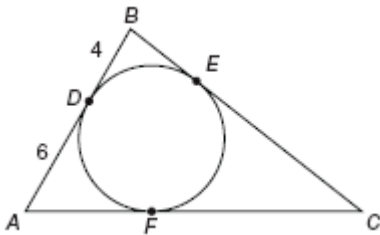
What is $m\angle BAC$?

- a. 25°
- b. 40°
- c. 55°
- d. 65°

___ 105. A square is circumscribed about a circle. What is the ratio of the perimeter of the square to the circumference of the circle?

- a. $\frac{8}{1}$
- b. $\frac{4}{1}$
- c. $\frac{2}{\pi}$
- d. $\frac{4}{\pi}$

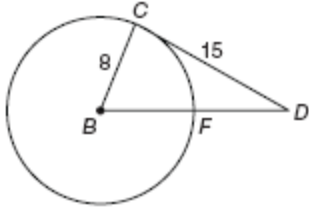
___ 106. Triangle ABC is circumscribed about the circle. In the figure, $AD = 6$, $DB = 4$, and the perimeter of $\triangle ABC$ is 40.



What is the length of \overline{FC} ?

- a. 10
- b. 15
- c. 20
- d. 30

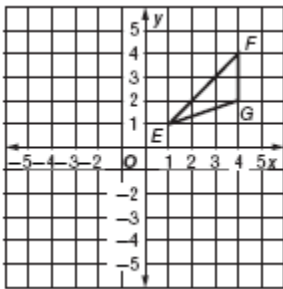
___ 107. In the figure below, \overline{CD} is tangent to circle B at point C .



What is the length of \overline{FD} ?

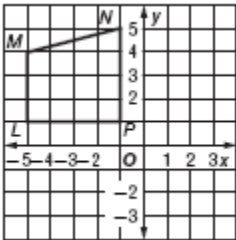
- a. 7
- b. 8
- c. 9
- d. 17

___ 108. If triangle EFG is rotated 180 degrees about the origin, what would be the coordinates of G' ?



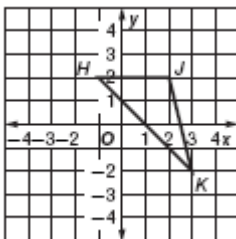
- a. $(-4, -2)$
- b. $(-4, 2)$
- c. $(-2, 4)$
- d. $(-2, -4)$

___ 109. If trapezoid $LMNP$ is reflected across the y-axis, what would be the coordinates of L' ?



- a. $(-5, -1)$
- b. $(5, 1)$
- c. $(1, 5)$
- d. $(-1, 5)$

___ 110. Triangle HJK below is translated so that the coordinates of the new vertices are $H'(-2, 4)$, $J'(1, 4)$, and $K'(2, 0)$.

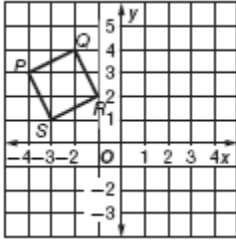


Which motion rule describes the translation?

- a. $(x, y) \rightarrow (x + 1, y + 2)$ c. $(x, y) \rightarrow (x + 2, y - 1)$
 b. $(x, y) \rightarrow (x - 1, y + 2)$ d. $(x, y) \rightarrow (x - 2, y + 1)$

___ 111. Square $PQRS$ below is to be translated to square $P'Q'R'S'$ by the following motion rule.

$$(x, y) \rightarrow (x + 2, y - 6)$$



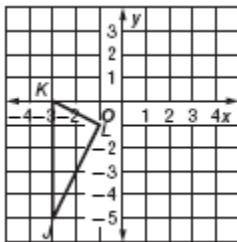
What will be the coordinates of vertex P' ?

- a. $(-2, -3)$ c. $(1, -1)$
 b. $(-3, -1)$ d. $(-10, 5)$

___ 112. The vertices of parallelogram $ABCD$ are $A(-3, 0)$, $B(-1, 3)$, $C(-1, -2)$, and $D(-3, -5)$. If the figure is translated 4 units to the right and 2 units up, what are the coordinates of vertex B' ?

- a. $(-3, -1)$ c. $(1, 7)$
 b. $(-5, 1)$ d. $(3, 5)$

___ 113. If triangle JKL is rotated 180 degrees about the origin, what are the coordinates of J' ?



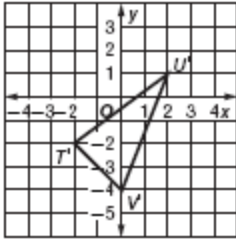
- a. $(5, 3)$ c. $(3, 5)$
 b. $(3, 0)$ d. $(3, -5)$

___ 114. The vertices of $\triangle ABC$ are $A(0, 6)$, $B(2, 1)$, and $C(-3, 4)$. If the figure is reflected across the x -axis to create $\triangle WXY$, what would be the coordinates of the vertices of $\triangle WXY$?

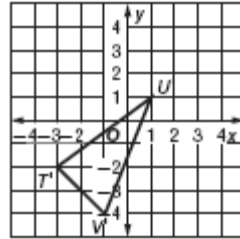
- a. $W(-6, 0)$, $X(2, 1)$, $Y(-3, -4)$ c. $W(0, -6)$, $X(2, -1)$, $Y(-3, -4)$
 b. $W(-3, -4)$, $X(2, 1)$, $Y(0, -6)$ d. $W(0, 6)$, $X(-2, 1)$, $Y(3, -4)$

___ 115. Triangle TUV has vertices $T(-2, 1)$, $U(2, 4)$, and $V(0, -1)$. Which shows $\triangle TUV$ translated 3 units down and 1 unit to the left?

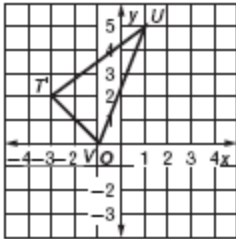
a.



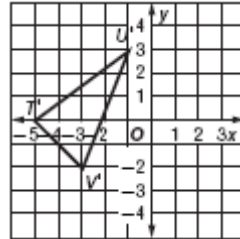
c.



b.



d.



**Mr. McCaffrey's Big Tamale Geometry CST Review Test.
Answer Section**

MULTIPLE CHOICE

- | | | |
|------------|--------|----------------|
| 1. ANS: B | PTS: 1 | STA: (Key)3.0 |
| 2. ANS: D | PTS: 1 | STA: (Key)3.0 |
| 3. ANS: A | PTS: 1 | STA: (Key)3.0 |
| 4. ANS: D | PTS: 1 | STA: (Key)3.0 |
| 5. ANS: C | PTS: 1 | STA: (Key)3.0 |
| 6. ANS: C | PTS: 1 | STA: (Key)3.0 |
| 7. ANS: D | PTS: 1 | STA: (Key)3.0 |
| 8. ANS: A | PTS: 1 | STA: (Key)3.0 |
| 9. ANS: D | PTS: 1 | STA: (Key)3.0 |
| 10. ANS: A | PTS: 1 | STA: (Key)3.0 |
| 11. ANS: A | PTS: 1 | STA: (Key)3.0 |
| 12. ANS: D | PTS: 1 | STA: (Key)3.0 |
| 13. ANS: B | PTS: 1 | STA: (Key)3.0 |
| 14. ANS: C | PTS: 1 | STA: (Key)4.0 |
| 15. ANS: D | PTS: 1 | STA: (Key)4.0 |
| 16. ANS: D | PTS: 1 | STA: (Key)4.0 |
| 17. ANS: A | PTS: 1 | STA: (Key)4.0 |
| 18. ANS: C | PTS: 1 | STA: (Key)4.0 |
| 19. ANS: B | PTS: 1 | STA: (Key)4.0 |
| 20. ANS: C | PTS: 1 | STA: (Key)4.0 |
| 21. ANS: C | PTS: 1 | STA: (Key)4.0 |
| 22. ANS: D | PTS: 1 | STA: (Key)4.0 |
| 23. ANS: C | PTS: 1 | STA: (Key)4.0 |
| 24. ANS: A | PTS: 1 | STA: (Key)4.0 |
| 25. ANS: C | PTS: 1 | STA: (Key)8.0 |
| 26. ANS: C | PTS: 1 | STA: (Key)8.0 |
| 27. ANS: B | PTS: 1 | STA: (Key)8.0 |
| 28. ANS: A | PTS: 1 | STA: (Key)8.0 |
| 29. ANS: B | PTS: 1 | STA: (Key)8.0 |
| 30. ANS: B | PTS: 1 | STA: (Key)8.0 |
| 31. ANS: D | PTS: 1 | STA: (Key)8.0 |
| 32. ANS: C | PTS: 1 | STA: (Key)8.0 |
| 33. ANS: A | PTS: 1 | STA: (Key)8.0 |
| 34. ANS: D | PTS: 1 | STA: (Key)8.0 |
| 35. ANS: B | PTS: 1 | STA: (Key)8.0 |
| 36. ANS: C | PTS: 1 | STA: (Key)8.0 |
| 37. ANS: D | PTS: 1 | STA: (Key)8.0 |
| 38. ANS: C | PTS: 1 | STA: (Key)10.0 |
| 39. ANS: B | PTS: 1 | STA: (Key)10.0 |
| 40. ANS: A | PTS: 1 | STA: (Key)10.0 |
| 41. ANS: B | PTS: 1 | STA: (Key)10.0 |

42.	ANS: D	PTS: 1	STA: (Key)10.0
43.	ANS: C	PTS: 1	STA: (Key)10.0
44.	ANS: A	PTS: 1	STA: (Key)10.0
45.	ANS: A	PTS: 1	STA: (Key)10.0
46.	ANS: C	PTS: 1	STA: (Key)10.0
47.	ANS: D	PTS: 1	STA: (Key)10.0
48.	ANS: B	PTS: 1	STA: (Key)10.0
49.	ANS: C	PTS: 1	STA: (Key)12.0
50.	ANS: C	PTS: 1	STA: (Key)12.0
51.	ANS: D	PTS: 1	STA: (Key)12.0
52.	ANS: C	PTS: 1	STA: (Key)12.0
53.	ANS: B	PTS: 1	STA: (Key)12.0
54.	ANS: B	PTS: 1	STA: (Key)12.0
55.	ANS: C	PTS: 1	STA: (Key)12.0
56.	ANS: D	PTS: 1	STA: (Key)12.0
57.	ANS: D	PTS: 1	STA: (Key)12.0
58.	ANS: C	PTS: 1	STA: (Key)12.0
59.	ANS: A	PTS: 1	STA: (Key)12.0
60.	ANS: C	PTS: 1	STA: (Key)12.0
61.	ANS: C	PTS: 1	STA: (Key)12.0
62.	ANS: B	PTS: 1	STA: (Key)16.0
63.	ANS: A	PTS: 1	STA: (Key)16.0
64.	ANS: C	PTS: 1	STA: (Key)16.0
65.	ANS: A	PTS: 1	STA: (Key)16.0
66.	ANS: D	PTS: 1	STA: (Key)16.0
67.	ANS: C	PTS: 1	STA: (Key)16.0
68.	ANS: A	PTS: 1	STA: (Key)16.0
69.	ANS: C	PTS: 1	STA: (Key)17.0
70.	ANS: A	PTS: 1	STA: (Key)17.0
71.	ANS: D	PTS: 1	STA: (Key)17.0
72.	ANS: D	PTS: 1	STA: (Key)17.0
73.	ANS: A	PTS: 1	STA: (Key)17.0
74.	ANS: C	PTS: 1	STA: (Key)17.0
75.	ANS: B	PTS: 1	STA: (Key)17.0
76.	ANS: D	PTS: 1	STA: (Key)17.0
77.	ANS: A	PTS: 1	STA: (Key)17.0
78.	ANS: B	PTS: 1	STA: (Key)17.0
79.	ANS: C	PTS: 1	STA: (Key)17.0
80.	ANS: D	PTS: 1	STA: (Key)18.0
81.	ANS: B	PTS: 1	STA: (Key)18.0
82.	ANS: C	PTS: 1	STA: (Key)18.0
83.	ANS: A	PTS: 1	STA: (Key)18.0
84.	ANS: C	PTS: 1	STA: (Key)18.0
85.	ANS: D	PTS: 1	STA: (Key)18.0
86.	ANS: A	PTS: 1	STA: (Key)18.0
87.	ANS: B	PTS: 1	STA: (Key)18.0
88.	ANS: D	PTS: 1	STA: (Key)18.0

89.	ANS: D	PTS: 1	STA: (Key)18.0
90.	ANS: C	PTS: 1	STA: (Key)19.0
91.	ANS: C	PTS: 1	STA: (Key)19.0
92.	ANS: D	PTS: 1	STA: (Key)19.0
93.	ANS: C	PTS: 1	STA: (Key)19.0
94.	ANS: D	PTS: 1	STA: (Key)19.0
95.	ANS: D	PTS: 1	STA: (Key)19.0
96.	ANS: A	PTS: 1	STA: (Key)19.0
97.	ANS: A	PTS: 1	STA: (Key)19.0
98.	ANS: B	PTS: 1	STA: (Key)19.0
99.	ANS: B	PTS: 1	STA: (Key)21.0
100.	ANS: B	PTS: 1	STA: (Key)21.0
101.	ANS: A	PTS: 1	STA: (Key)21.0
102.	ANS: C	PTS: 1	STA: (Key)21.0
103.	ANS: C	PTS: 1	STA: (Key)21.0
104.	ANS: D	PTS: 1	STA: (Key)21.0
105.	ANS: D	PTS: 1	STA: (Key)21.0
106.	ANS: A	PTS: 1	STA: (Key)21.0
107.	ANS: C	PTS: 1	STA: (Key)21.0
108.	ANS: A	PTS: 1	STA: (Key)22.0
109.	ANS: B	PTS: 1	STA: (Key)22.0
110.	ANS: B	PTS: 1	STA: (Key)22.0
111.	ANS: A	PTS: 1	STA: (Key)22.0
112.	ANS: D	PTS: 1	STA: (Key)22.0
113.	ANS: C	PTS: 1	STA: (Key)22.0
114.	ANS: C	PTS: 1	STA: (Key)22.0
115.	ANS: C	PTS: 1	STA: (Key)22.0