Special Instructions for the

Braille Edition of the

**Geometry**

**Practice Test Booklet**

**General Comments**

1. Braille pages are numbered sequentially in the lower right-hand corner. The corresponding print page numbers are in the upper right-hand corner.
2. A Special Symbols page is included to provide the student with information about the dot formation of special braille characters. A Transcriber's Note page is included within the test to explain special format and layout of information.
3. Mathematical content is transcribed according to *The Nemeth Braille Code for Mathematics and Science Notation,* 1972 Revision*,* 2007-2016 Updates including the *Guidance for Transcription Using the Nemeth Code within UEB Contexts*.
4. The footers “Go on” are deleted in braille.
5. All references to the answer sheet are omitted in braille. The Answer Sheet is not reproduced in braille.
6. The calculator icons are not included in braille.
7. There are no tactile graphics in this test. Visual information is replaced with descriptions included as a transcriber’s note or within the question.

**Specific Comments:**

Page 2 Directions revised to read as follows:

**Directions:**

Today, you will take Unit 1 of the Geometry Practice Test. Unit 1 has two sections. In the first section, you may not use a calculator. In the second section, you may use a calculator. **You will not be allowed to return to the first section of the test after you start the calculator section.** You must complete both the non-calculator and calculator sections of Unit 1 within the time allowed.

Read each question. Then, follow the directions to answer each question. Write your answer. If you need to change an answer, erase it, cross it out or start a new line. If a question asks you to show or explain your work, you must do so to receive full credit. Work done on scratch paper will not be scored.

If you do not know the answer to a question, you may go on to the next question. When you finish the first section, you may review your answers and any questions you did not answer in this section ONLY. Once you have reviewed your answers, continue to the calculator section. When you are ready to go on to the calculator section, raise your hand to receive your calculator.

Page 3 Directions revised to read as follows:

**Answer Grid Items**

Several items in this test require you to enter your answer on a special grid. The sample pictures of the answer grids are omitted in braille. The answer grid has seven answer boxes to write a numeral or decimal point. The first answer box is only used to indicate the negative symbol.

Directions for Completing the Answer Grids

1. Work the problem and find an answer.
2. Give your answer by using a braille writing device (e.g., braillewriter, braille note-taker, slate and stylus) or other method so that when transcribed, it will fit into the answer grid.
3. Answers may take up to seven spaces to fit in the grid. Answers may include a numeral or decimal point, but do not count braille numeric indicators when determining use of the six spaces in the grid. Do not leave a blank space in the middle of an answer.
4. Fractions cannot be entered into an answer grid and will not be scored. Insert fractions as decimals.

Page 6, #1 Part A: Last sentence reworded, "Write your answer."

Part B: Last sentence reworded, "Write your answer."

Page 7, #2 A picture description is inserted as a Transcriber's Note─ Quadrant 1 of a Cartesian grid contains Line AB. Point A is located at (2, 4) and Point B is located at (10, 10).

Last sentence reworded, "Write your answer."

Page 8, #3 A picture description is inserted as a Transcriber's Note─ Diagonal lines AD and EH are parallel. Diagonal transverse line CG intersects both lines at points B and F, respectively.

Page 8, #3 Part A: Transcriber’s Note: The print column form for proofs is changed in braille. Each item from the Reason column is preceded by the letter R for Reason and is placed beneath its corresponding item from the Statement column, which is preceded by the letter S for Statement.

Part B: Transcriber’s Note: The print column form for proofs is changed in braille. Each item from the Reason column is preceded by the letter R for Reason and is placed beneath its corresponding item from the Statement column, which is preceded by the letter S for Statement.

Page 10, #4 A picture description is inserted as a Transcriber's Note─ Right triangle PQR contains hypotenuse PQ with a length 17, adjacent side QR with a length of 15, and opposite side PR with a length of 8. Right triangle GHJ contains hypotenuse GH, adjacent side HJ, and opposite side GJ.

Page 11, #5 A picture description is inserted as a Transcriber's Note─ Circle F contains points A, B, C, D, and E clockwise on the perimeter. The measure of angle AFB is 120°. The measure of angle BFC is 45°. The measure of angle CFD is 30°.

Page 12, #6 A picture description is inserted as a Transcriber's Note─ Coordinate grid: The x-axis values are labeled from -18 to 18 in increments of 2. The y-axis values are labeled from 6 to -6 in increments of 2. Triangles KLM and K'L'M' have the following coordinates: Triangle KLM: (-1, 3); (8, 4); (10, -3) Triangle K'L'M': (-1.5, 4.5); (12, 6); (15, -4.5)

Page 16, #8 Part A: Second paragraph reworded, "The figure shows horizontal line r, points P and T on line r, and point Q not on line r. Also shown is diagonal ray PQ.

A picture description is inserted as a Transcriber's Note─ An arc is drawn on angle QPT between points P and Q and points P and T. The intersection with line r is labeled W. An arc is drawn on ray PQ beyond point Q. An intersecting arc is drawn to the right of point Q and is labeled S.

Page 18, #9 Part A: Third sentence reworded, "He places a wire across the diagonal of one of the cube."

Last sentence reworded, "Write your answers and your work."

Part B: Last sentence reworded, "Write your answer and your work."

Page 20, #11 Sentence reworded, "Two perpendiculars lines, s and r, intersect at point P in the interior of a trapezoid."

Page 21, #12 A picture description is inserted as a Transcriber's Note─ Figure: A vertical bar has rectangular ends labeled "D" (top) and "C" (bottom). "Collar A" is wrapped around the vertical bar just below the midpoint between C and D. The small rectangular block labeled "Support B" is positioned 3 ft to the left of the vertical bar. It is perpendicular to the bar and is lower than point D by approximately 1/3 of the distance between C and D. A horizontal line perpendicular to "Support B" creates angle θ with the end of the spring.

Page 21, #12 Part A: Last sentence reworded, “Write your answer.”

Page 23, #14 Last sentence reworded, "Write your answer and your work."

Page 24, #15 A picture description is inserted as a Transcriber's Note─ Coordinate grid: The x- and y-axis values are labeled from -5 to 5 in increments of 1. Triangle ABC is plotted on the graph with the following coordinates: A (-5, 2); B (-2, 5); C (3, 4).

Page 25, #16 A picture description is inserted as a Transcriber's Note─ Quadrant I of a Cartesian grid contains rectangle ABCD. The x-axis is labeled Miles (hundreds) and the values range from 0 to 4.5 in increments of .5. Starting at 0, every other line is labeled in increments of 1. The y-axis is labeled Miles (hundreds) and the values range from 0 to 4.5 in increments of .5. Starting at 0, every line is labeled in increments of .5.

Part A: Last sentence reworded, "Write your answer."

Page 26 Second bullet reworded, "Then, close your test booklet and raise your hand to turn in your test materials."

Page 28 Directions revised to read as follows:

**Directions:**

Today, you will take Unit 2 of the Geometry Practice Test. You will be able to use a calculator.

Read each question. Then, follow the directions to answer each question. Write your answer. If you need to change an answer, erase it, cross it out or start a new line. If a question asks you to show or explain your work, you must do so to receive full credit. Work done on scratch paper will not be scored.

If you do not know the answer to a question, you may go on to the next question. If you finish early, you may review your answers and any questions you did not answer in this unit ONLY. Do not go past the word STOP.

Page 29 Directions revised to read as follows:

**Answer Grid Items**

Several items in this test require you to enter your answer on a special grid. The sample pictures of the answer grids are omitted in braille. The answer grid has seven answer boxes to write a numeral or decimal point. The first answer box is only used to indicate the negative symbol.

Directions for Completing the Answer Grids

1. Work the problem and find an answer.
2. Give your answer by using a braille writing device (e.g., braillewriter, braille note-taker, slate and stylus) or other method so that when transcribed, it will fit into the answer grid.
3. Answers may take up to seven spaces to fit in the grid. Answers may include a numeral or decimal point, but do not count braille numeric indicators when determining use of the six spaces in the grid. Do not leave a blank space in the middle of an answer.
4. Fractions cannot be entered into an answer grid and will not be scored. Insert fractions as decimals.

Page 30, #17 A picture description is inserted as a Transcriber's Note─ Parallelogram PQRS has the following coordinate points: P (2b, 2c); Q (?, ?); R (2a, 0); and S (0, 0).

Part A: Last sentence reworded, "Write your answer."

Part B: Last sentence reworded, "Write your justification."

Page 31, #18 A picture description is inserted as a Transcriber's Note─ Lines AC and PQ are not perpendicular.

Page 32, #19 A picture description is inserted as a Transcriber's Note─ Coordinate grid: The x- and y-axis values are in increments of 1. The origin is labeled 0 along with the 1 on both the x- and y-axes. Triangle DEF has the following coordinates: D (-2, 3); E (1, 3); F (1, 1).

Page 33, #20 Last sentence reworded, "Write your answer."

Page 34, #21 A picture description is inserted as a Transcriber's Note─ Angles 1 and 4 are formed by intersecting lines r and n. Angles 2 and 5 are formed by intersecting lines n and p. Angles 3 and 6 are formed by intersecting lines r and p. Angles 1 through 6 are numbered clockwise.

Page 35, #22 A picture description is inserted as a Transcriber's Note─ Segments AC and BD intersect at point E.

Part A: Last sentence reworded, "Write your answer and your justification."

Part B: Last sentence reworded, "Write your answer and your justification."

Page 36, #23 First sentence reworded, "The table on the next page shows the approximate measurements of the Great Pyramid of Giza in Egypt and the Pyramid of Kukulcan in Mexico." Key added to table. sm Area of Base (square meters)

Page 37, #24 A picture description is inserted as a Transcriber's Note─ Right triangle ABC is formed by the following: AC: adjacent side (base) AB: opposite side BC: hypotenuse

Page 38, #25 A picture description is inserted as a Transcriber's Note─ Interior triangle ABC is formed by rays CA and CB connected by segment AB. Exterior triangle A'B'C' is formed by rays C'A' and C'B' connected by segment A'B'.

Last sentence reworded, "Write your proof, your explanation, and your justification."

Page 40, #26 Second paragraph reworded, "Below is the design of a shed that will be built Use the information to answer all parts of the task."

Part A: Last sentence reworded, "Write your answer and your work or explanation."

Part B: Last sentence reworded, "Write your answer and your explanation."

Page 41, #26 Part C: Last sentence reworded, "Write your answer and your work or explanation."

Page 42, #27 A picture description is inserted as a Transcriber's Note─ Cylinder P is vertical and cylinder S is slanted.

Page 43, #29 A picture description is inserted as a Transcriber's Note─ The larger (exterior) semicircle, with center P, intersects with ray DB at exterior point A and interior point B. The smaller (interior) semicircle, with center M, intersects with ray DB at exterior point B and interior point C. Point E is on the interior semicircle and point F is on the exterior semicircle.

Page 44 Second bullet reworded, "Then, close your test booklet and raise your hand to turn in your test materials."