Special Instructions for the

Braille Edition of the

**Algebra I**

**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 Algebra I 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 A picture description is inserted as a Transcriber's Note─ Coordinate grid: Both the x- and y-axis values range from -10 to 10 and are labeled in increments of 2. Seven points are plotted along the x- and y-axes with the following coordinates:

Point A: (2, 0)

Point B: (6, 0)

Point C: (0, -8)

Point D: (-4, 0)

Point E: (-6, 0)

Point F: (0, 2)

Point G: (0, 8)

Page 8, #3 Transcriber's Note─ Each answer choice contains a Cartesian grid. Both the x- and y-axis values are labeled from -8 to 8 in increments of 2. In each grid, two lines intersect creating a boundary for the shaded portion of the grid.

A picture description is inserted as a Transcriber's Note for each answer choice:

1. One line passes through (-8, -8); (0, 0); and (8, 8). The other line passes through (-4, -8); (0, 0); and (4, 8). The area to the right of the intersecting lines is shaded.
2. One line passes through (-8, -8); (0, 0); and (8, 8). The other line passes through (-4, -8); (0, 0); and (4, 8). The area between the intersecting lines in Quadrant III is shaded.
3. One line passes through (-2, 8); (2, 4); and (8, -2). The other line passes through (0, 8); (2, 4); and (8, -8). The area to the left of the intersecting lines is shaded.
4. One line passes through (-8, 8); (4, 2); and (8, 0). The other line passes through (-2, 8); (4, 2); and (8, -2). The area below the intersecting lines is shaded.

Page10, #7 Part A**:** A picture description is inserted as a Transcriber's Note─ Coordinate grid: Both the x- and y-axis values range from -5 to 5. The x-axis values -5 and 5 are labeled. The y-axis values 4, 2, -2, and 4 are labeled. An inverted u-shaped curve is plotted with the following coordinates: (-1, -5); (0, 0); (2, 4); (4, 0); and (5, -5).

Page 14, #8 A picture description is inserted as a Transcriber's Note─ Coordinate grid: Both the x- and y-axis values range from -4 to 9 with every line labeled in increments of 1. An inverted u-shaped curve is plotted with the following coordinates: (-2, 0); (-1, 5); (1, 9); (3, 5), and (4, 0).

Page 16, #9 Part A**:** Transcriber's Note─ Each answer choice contains Quadrant I of a Cartesian grid. The x-axis is labeled Hours Babysitting, and the y-axis is labeled Hours Working at Ice Cream Shop. Both the x- and y-axis values range from 0 to 25 in increments of 2.5. Starting at 0, every other line is labeled in increments of 5. In each grid, two lines intersect creating a boundary for the shaded portion of the grid.

A picture description is inserted as a Transcriber's Note for each answer choice:

A. One line passes through (0, 20); (10, 10), and (20, 0). The other line passes through (2.5, 20); (10, 7.5), and (15, 0). The area to the left of the intersecting lines is shaded.

B. One line passes through (0, 20); (10, 10), and (20, 0). The other line passes through (2.5, 20), (10, 7.5), and (15, 0). The area between the left segments of the intersecting lines is shaded.

C. One line passes through (0, 20); (10, 10), and (20, 0). The other line passes through (0, 15); (7.5, 10), and (20, 2.5). The area to the left of the intersecting lines is shaded.

D. One line passes through (0, 20); (10, 10), and (20, 0). The other line passes through (0, 15); (7.5, 10), and (20, 2.5). The area between the left segments of the intersecting lines is shaded.

Page 17, #9 Part C: Last sentence reworded, "Write your answer."

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

Page 18, #10 A picture description is inserted as a Transcriber's Note─ Coordinate grid: Both the x- and y-axis values range from -9 to 9 and are labeled in increments of 1. Two points are plotted on a line labeled y=f(x). They are (0, 1) and

(1, -1). Two points are plotted on another line labeled y=g(x). They are (1, 3) and (0, -3).

Last sentence reworded, "Write your answer."

Page 19, #11 Part A: Last sentence reworded, "Write your equation and your explanation."

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

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

Page 21, #13 Last sentence reworded, "Write your answers and justifications."

Page 22, #15 A picture description is inserted as a Transcriber's Note─ Box plot: The title is Team S Obstacle Course Times. Seven tick marks are spaced evenly along the number line. The values range from 4 to 10, and each tick mark is labeled. The box plot has the following data points:

Left vertical bar at 4

Left end of box at 5

Box division line at 7.5

Right end of box at 9

Right vertical bar at 10

Page 23, #15 Part A: Transcriber's Note─ Each answer choice contains a histogram with the title Team R. The horizontal axis is labeled Obstacle Course Times and contains values ranging from 4 to 10 in increments of 1. The vertical axis is labeled Frequency and contains values ranging from 0 to 8 with each line labeled in increments of 1. The width of each bar extends from one whole number to the next. Each bar is identified by the two numbers separated by a hyphen, and the frequency follows the colon.

A picture description is inserted as a Transcriber's Note for each answer choice:

1. Bar 4-5: 3

Bar 5-6: 8

Bar 6-7: 6

Bar 7-8: 2

Bar 8-9: 0

Bar 9-10: 1

1. Bar 4-5: 3

Bar 5-6: 7

Bar 6-7: 7

Bar 7-8: 2

Bar 8-9: 1

Bar 9-10: 0

1. Bar 4-5: 4

Bar 5-6: 6

Bar 6-7: 7

Bar 7-8: 2

Bar 8-9: 1

Bar 9-10: 0

1. Bar 4-5: 3

Bar 5-6: 8

Bar 6-7: 6

Bar 7-8: 2

Bar 8-9: 1

Bar 9-10: 0

Page 24 Second bullet reworded, "Then, close your test booklet and raise your hand to turn in your test materials."

Page 26 Directions revised to read as follows:

**Directions:**

Today, you will take Unit 2 of the Algebra I 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 27 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 six 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 29, #18 Part A: Last sentence reworded, "Write your model."

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

Page 30, #20 A picture description is inserted as a Transcriber's Note─ Graph: Quadrant I of a Cartesian grid. The horizontal x-axis is labeled Area (square feet), and the vertical r(x)-axis is labeled Radius (feet). The x-axis values range from 0 to 9 and are labeled in increments of 1. The r(x)-axis values range from 0 to 2.5 in increments of 0.25. Starting at 0, every other line is labeled in increments of 0.5. A curved ray begins at 0 and moves up to the right passing just under the 1.0 line on the y-axis as it crossed the 3 line on the x-axis. The ray continues up and to the right passing through (4, .125) and (7, 1.5).

Page 31, #21 Transcriber's Note─ Each answer choice contains a Cartesian grid. Both the x- and y-axis values are labeled from -9 to 9 in increments of 1.

A picture description is inserted as a Transcriber's Note for each answer choice:

A. One line passes through (-6, -5); (-3, 0), and (0, 5).

B. One line passes through (-5, -6); (0, -3), and (5, 0).

C. One line passes through (-5, 6); (0, 3), and (5, 0).

D. One line passes through (-6, 5); (-3, 0), and (0, -5).

Page 32, #22 Transcriber’s Note─ The radius of the larger cylinder is 10 mm.

Page 34, #24 Transcriber's Note─ Each answer choice contains a Cartesian grid. The x-axis values range from -6 to 6 and are labeled in increments of 1. The y-axis values are labeled from 7 to -5 and are labeled in increments of 1.

A picture description is inserted as a Transcriber's Note for each answer choice:

A. One line passes through (-3, 5); (-1, 2); (1, -1), and (3, -4).

B. One line passes through (-3, -4); (-1, -1); (1, 2), and (3, 5).

C. One line passes through (-5, -1); (-3, 0); (1, 2), and (5, 4).

D. One line passes through (-5, 4); (-3, 3); (1, 1), and (5, -1).

Page 35, #25 Last sentence reworded, "Write your work, your answer, and your justification."

Page 35, #26 Part A: Last sentence reworded, "Write your model, answer, and justification."

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

Page 36, #27 Last sentence reworded, "Write your proof, your answer, and your explanation."

Page 37 Second bullet reworded, "Then, close your test booklet and raise your hand to turn in your test materials."