Special Instructions for the

Braille Edition of the

**Algebra II**

**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 II 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 Last sentence reworded, "Write your answer."

Page 6, #2 Last sentence reworded, "Write your answer."

Page 8, #7 Last sentence reworded, "Write your answer."

Page 13, #9 Part B: Last sentence reworded, "Write your answer."

Page 14, #10 Part A: Last sentence reworded, "Write your answer, model, explanation, and assumptions."

Page 15, #10 Part B: Last sentence reworded, "Write your answer and your work."

Page 16, #11 Last sentence reworded, "Write your answer."

Page 16, #12 Last sentence reworded, "Write your answers and your justification."

Page 20, #16 Last sentence reworded, "Write your answers and your explanation."

Page 21 Second bullet reworded, "Then, close your test booklet and raise your hand to turn in your test materials."

Page 22 Directions revised to read as follows:

**Directions:**

Today, you will take Unit 2 of the Algebra II 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 23 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 26, #18 Part A: A picture description is inserted as a Transcriber's Note ─ Quadrant I of a Cartesian grid: The horizontal axis is labeled Time (minutes) and the values range from 0 to 120 in increments of 6. Starting at 6, every other line is labeled in increments of 12. The vertical axis is labeled Temperature (°F). The values range from 0 to 238 and are labeled in increments of 17. A curved ray is plotted beginning at (0, 204). It moves down and to the right near the following coordinates: (6, 170); (27, 102); (42, 85); (54, 77); (84, 72).

Page 27, #19 Part A: Last sentence reworded, "Write your equation and your reasoning."

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

Page 29, #21 Picture descriptions are inserted as Transcriber's Notes─ Graph h(x): Cartesian grid with x-axis values ranging from -3 to 3 in increments of 0.5 and every other line labeled in whole numbers. The y-axis values range from 4 to -4 and are labeled in increments of 1. A wavy line segment begins at (-3, 0), curves down to (-2, -2), turns upward passing through (-1, 0), continues up to (-0.5, 1), goes down to (0, 0), back up to (0.5, 1), turns downward passing through (1, 0), curves down to (2, -2); and ends at (3, 0).

Graph k(x): Cartesian grid with x-axis values ranging from -2π to 2π and y-axis values ranging from 2 to -2. A wave begins at (-2π, 0), rises to (, 1) and falls to (-π, 0), which completes half a cycle. The wave continues down to

(, -1) and curves back up to (0, 0), which completes a full cycle. The second cycle continues up to (, 1), goes back down passing through (π, 0) to reach (, -1) and curves up to end at (2π, 0).

Page 30, #22 A picture description is inserted as a Transcriber's Note ─ Histogram: The horizontal axis is labeled Weight of a Box of Cereal (ounces) and contains values ranging from 15 to 25 in increments of 1. The vertical axis is labeled Number of Boxes and contains values ranging from 0 to 40 with each line labeled in increments of 5. The data identifies each bar as corresponding to a single weight and is listed below.

Bar 15: 2

Bar 16: 5

Bar 17: 10

Bar 18: 18

Bar 19: 30

Bar 20: 33

Bar 21: 26

Bar 22: 19

Bar 23: 11

Bar 24: 4

Bar 25: 3

Page 31, #23 Last sentence reworded, "Write your answers and your explanation."

Page 33, #25 A picture description is inserted as a Transcriber's Note ─ Graph: Quadrant I of a Cartesian grid. The horizontal t-axis is labeled Time (seconds) and the vertical h-axis is labeled Height (feet). Both the t- and h-axis values range from 0 to 9 and are labeled in increments of 1. A wave is plotted on the graph with the peaks at 7.5 and the valleys at 1.5. The points have the following coordinates:

(0, 2.9)

(1, 5.9)

(2, 3.8)

(3, 5)

(4, 4.6)

(5, 4.1)

(6, 5.2)

(7, 3.2)

(8, 6)

Page 37, #28 Part A: Picture descriptions are inserted as Transcriber's Note's ─ Histograms (Part A and Part B): The horizontal axis is labeled Heart Rate after 20 Minutes of Exercise" and contains values ranging from 50 to 250 in increments of 50. The vertical axis is labeled Frequency and contains values ranging from 0 to 40 with each line labeled in increments of 10. The data is concentrated along the horizontal axis from approximately 125 through 225 with a few outliers between 50-100.

In the Experimental Group, the bars between heart rates of 50-150 occurred 0-10 times. There are several spikes in heart rates of 150-200, reaching 25 times, dropping down to 15, and then spiking to more than 30 times. The frequency drops significantly between heart rates of 200-250 going from 20 to 0.

In the Control Group, the bars between heart rates of 50-150 occurred 0-10 times. There are several spikes in heart rates of 150-200, reaching 25 times, dropping down to 15, and then spiking again to approximately 30 times. The frequency drops significantly between heart rates of 200-250 going from 20 to 0.

Last sentence is reworded: "Write your answer and your justification."

Page 38, #28 Part B: Picture descriptions are inserted as Transcriber's Note's ─ In the Experimental Group, the bars between heart rates of 50-150 occurred 0-5 times. There are several spikes in heart rates of 150-200, reaching just over 20 times, dropping to fewer than 10, and then spiking to approximately 30 times. The frequency drops significantly between heart rates of 200-250 going from 15 to 0.

In the Control Group, the bars between heart rates of 50-150 occurred approximately 0-8 times. There are several spikes in heart rates of 150-200, reaching more than 30 times, dropping down to less than 15, and then spiking again to more than 30 times. The frequency drops significantly between heart rates of 200-250 going from approximately 18 to 0.

Page 39, #28 Part B: Last sentence reworded: "Write your answers and your justification."

Page 40 Second bullet reworded, "Then, close your test booklet and raise your hand to turn in your test materials."