



Missouri

End-of-Course Assessment

Algebra I

Session II



Missouri Department of Elementary and Secondary Education
Released 2008



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Directions to the Student

Today you will be taking Session II of the Missouri Algebra I Test. This is a test of how well you understand the course level expectations for Algebra I.

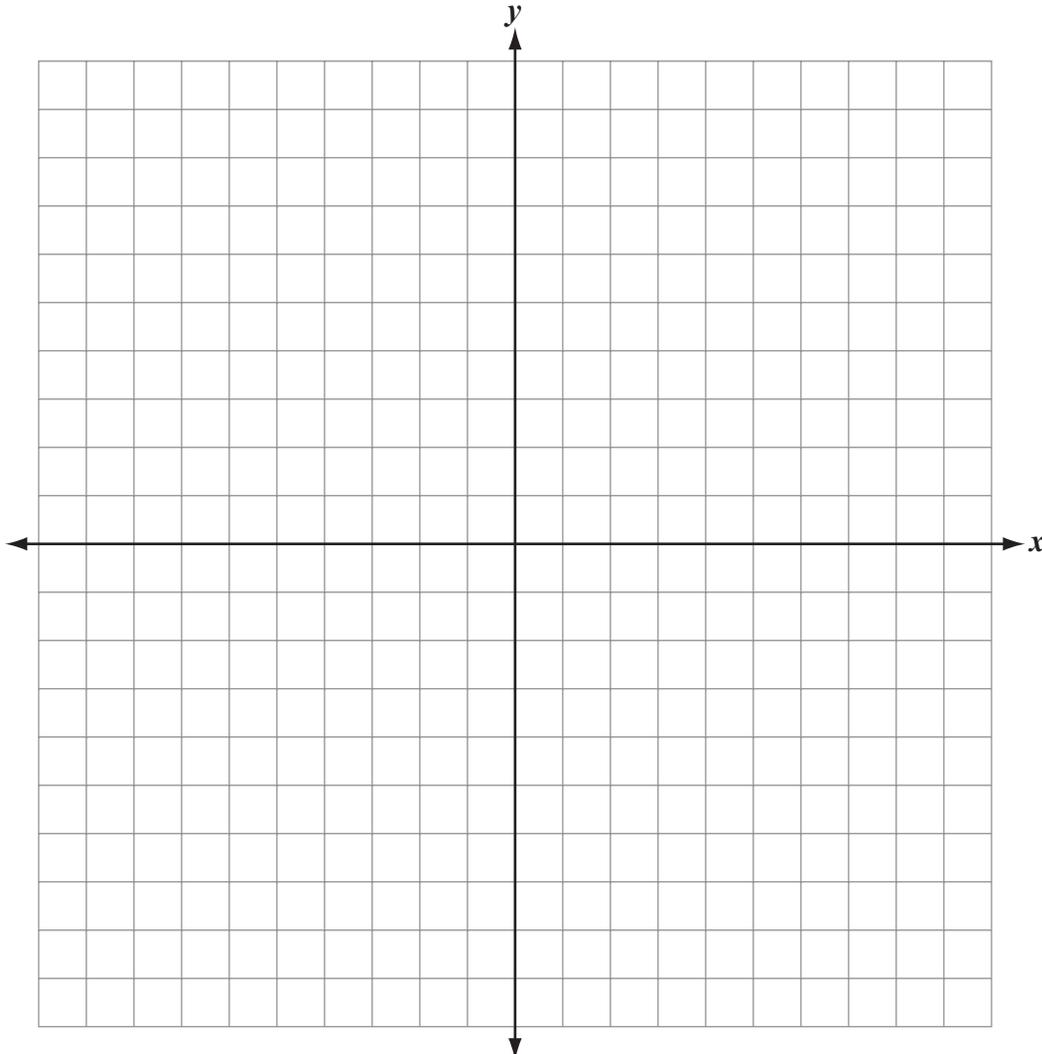
There are several important things to remember:

- 1** Read the performance event carefully and think about how to answer the questions.
- 2** Show all of the work that you did to answer the question with a number 2 pencil. If a box is provided, make sure all of your work is in the box. If a line is provided to write your answer on, be sure your answer is on the line.
- 3** If you do not know the answer to a question, skip it and go on. You may return to it later if you have time.
- 4** If you finish the test early, you may check over your work.
- 5** There is not an answer sheet for this session of the test. Write or mark your answers directly in your test book with a number 2 pencil.

1. A line passes through the points $(3, 5)$ and $(-2, 7)$.

- On the line below, write an equation of the line and graph it on the coordinate grid.

Equation: _____



- What is the y -intercept of the line? _____
- What is the slope of the line? _____
- Write a new equation with the same slope and a different y -intercept on the line below.

Equation: _____

- On the lines below, explain how the graph of this line relates to the original line.

- Write a new equation with the original y -intercept and a different slope on the line below.

Equation: _____

- On the lines below, explain how the graph of this line relates to the original line.

Released Form