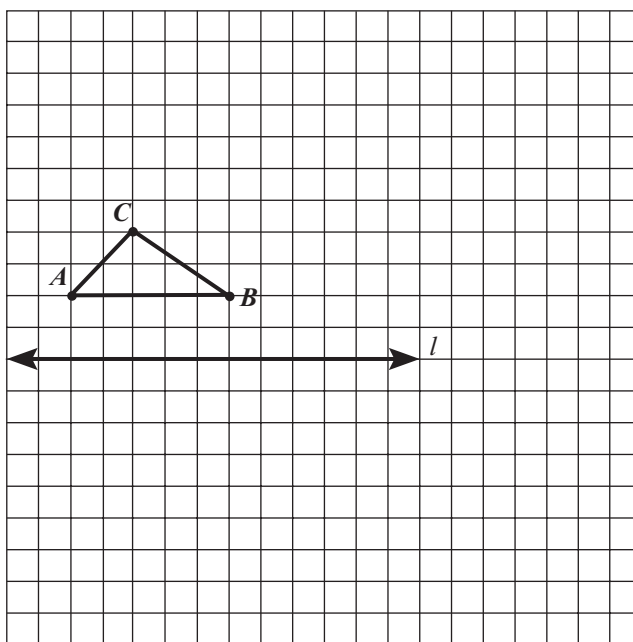


Question 17 is an open-response question.

- **BE SURE TO ANSWER AND LABEL ALL PARTS OF THE QUESTION.**
- **Show all your work (diagrams, tables, or computations) in your Student Answer Booklet.**
- **If you do the work in your head, explain in writing how you did the work.**

Write your answer to question 17 in the space provided in your Student Answer Booklet.

- 17** Copy triangle  $ABC$  and line  $l$ , shown below, onto the grid in your Student Answer Booklet. Be sure to label points  $A$ ,  $B$ , and  $C$  in your drawing.



- a. Is triangle  $ABC$  equilateral, isosceles, or scalene? Explain your reasoning.
- b. On the grid in your Student Answer Booklet, draw the reflection of triangle  $ABC$  over line  $l$ . Label the new triangle  $DEF$ .
- c. On the grid in your Student Answer Booklet, draw the translation of triangle  $ABC$  after it has been moved 7 units right and 3 units up. Label the new triangle  $GHI$ .
- d. Are triangle  $DEF$  and triangle  $GHI$  congruent? Explain your reasoning.

# Mathematics

## SESSION 2

You may use your reference sheet and MCAS ruler during this session.  
You may **not** use a calculator during this session.



### DIRECTIONS

This session contains seventeen multiple-choice questions, three short-answer questions, and two open-response questions. Mark your answers to these questions in the spaces provided in your Student Answer Booklet.

- 18 What values of  $\triangle$  and  $\square$  make **both** equations below true?

$$\triangle + 12 = 21$$

$$\square + \triangle = 16$$

- A.  $\triangle = 8$  and  $\square = 8$
- B.  $\triangle = 9$  and  $\square = 7$
- C.  $\triangle = 9$  and  $\square = 8$
- D.  $\triangle = 9$  and  $\square = 6$

- 19 Which of the following is equivalent to 6.25?

- A.  $6\frac{1}{5}$
- B.  $6\frac{1}{4}$
- C.  $6\frac{2}{5}$
- D.  $6\frac{3}{4}$

- 20 The poster below shows the costs at a fall carnival.



Which of the following expressions represents the total cost, in dollars, of 1 admission and  $r$  rides, for any number of rides?

- A.  $10 + 2r$
- B.  $10(r + 2)$
- C.  $10 - 2r$
- D.  $10 + r + 2$