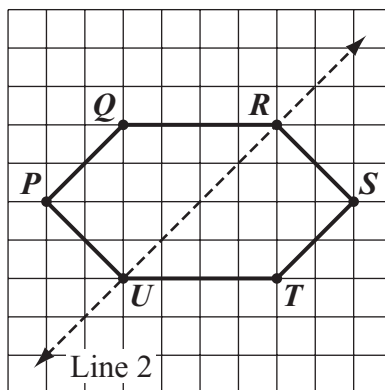
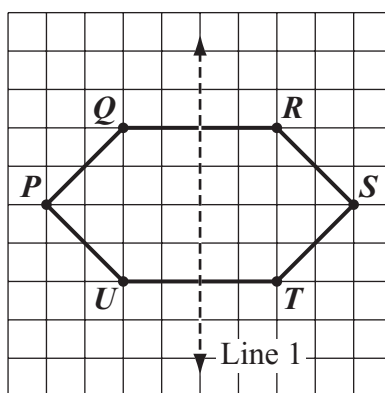


Question 17 is an open-response question.

- **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 Hexagon $PQRSTU$ is shown in the diagrams below. In the first diagram, Line 1 passes through the midpoints of sides \overline{QR} and \overline{UT} . In the second diagram, Line 2 passes through vertices R and U .



- Is Line 1 a line of symmetry? Explain your reasoning.
- Is Line 2 a line of symmetry? Explain your reasoning.
- Is there a line other than Line 1 or Line 2 that is a line of symmetry for hexagon $PQRSTU$?
 - If there is another line of symmetry, describe where the line would be on the hexagon.
 - If there is not another line of symmetry, explain why not.

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

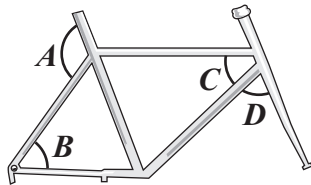
This session contains seventeen multiple-choice questions, three short-answer questions, and two open-response questions. Mark your answers to these questions in the spaces provided in your Student Answer Booklet.

- 18 What is the value of \diamond that makes the equation below true?

$$\diamond \div 4 = 8$$

- A. 2
- B. 12
- C. 32
- D. 36

- 19 Some angles are marked on the bicycle frame shown below.



Which angle appears to be obtuse?

- A. angle A
- B. angle B
- C. angle C
- D. angle D

- 20 The table below shows the amount of time each of four students spent on a mathematics test yesterday.

**Time Spent
on Mathematics Test**

Name	Time (in hours)
Joe	$\frac{1}{2}$
Keith	$\frac{2}{3}$
Lena	$\frac{1}{4}$
Mia	$\frac{2}{5}$

Which student spent the **greatest** amount of time on the test?

- A. Joe
- B. Keith
- C. Lena
- D. Mia