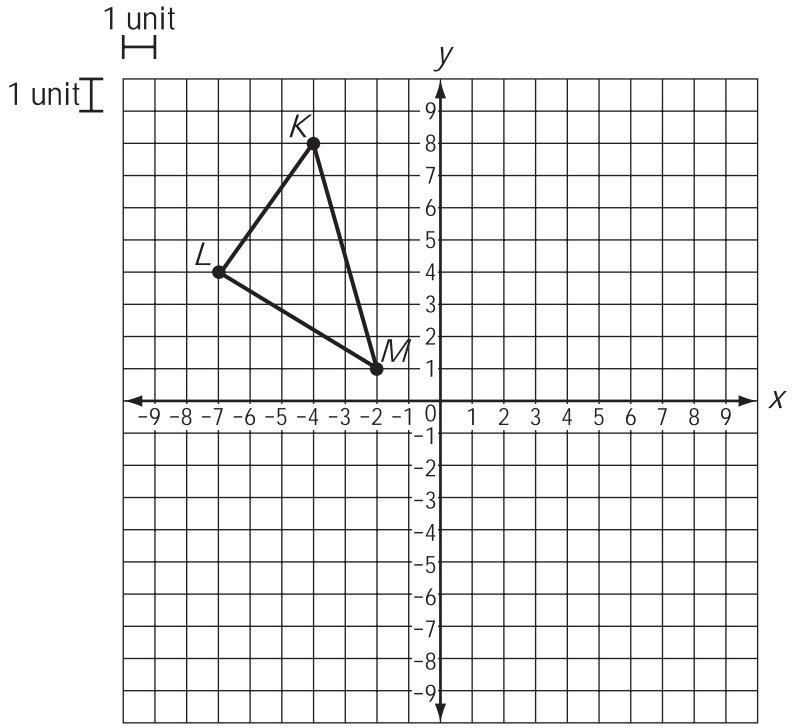
Question 17 is an open-response question.

- **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 Triangle *KLM* is shown on the coordinate grid below.



Copy the axes, the labels, and triangle *KLM* exactly as shown onto the grid in your Student Answer Booklet.

a. On the grid you copied into your Student Answer Booklet, draw triangle $K'L'M'$, the image of triangle *KLM* after it has been translated 8 units right and 3 units down. Be sure to label the vertices.

b. On your grid, draw triangle $K''L''M''$, the image of triangle $K'L'M'$ after it has been reflected over the *x*-axis. Be sure to label the vertices.

Point $P(x, y)$ lies on triangle *KLM*. Point P'' is the image of point *P* after the transformations from part (a) and part (b) have been completed.

c. Write an expression that represents the ***y*-coordinate** of point P'' in terms of y. Show or explain how you got your answer.