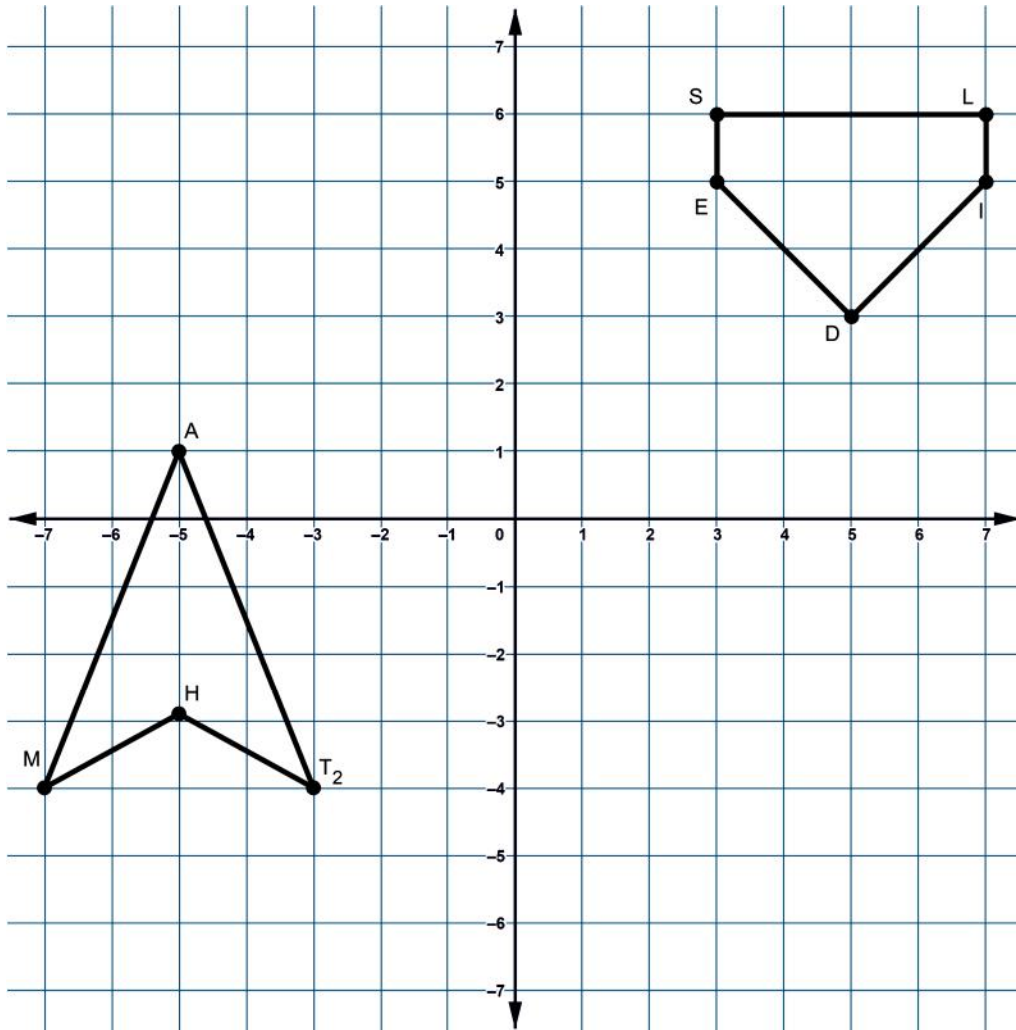


# Translation of shapes in the coordinate plane

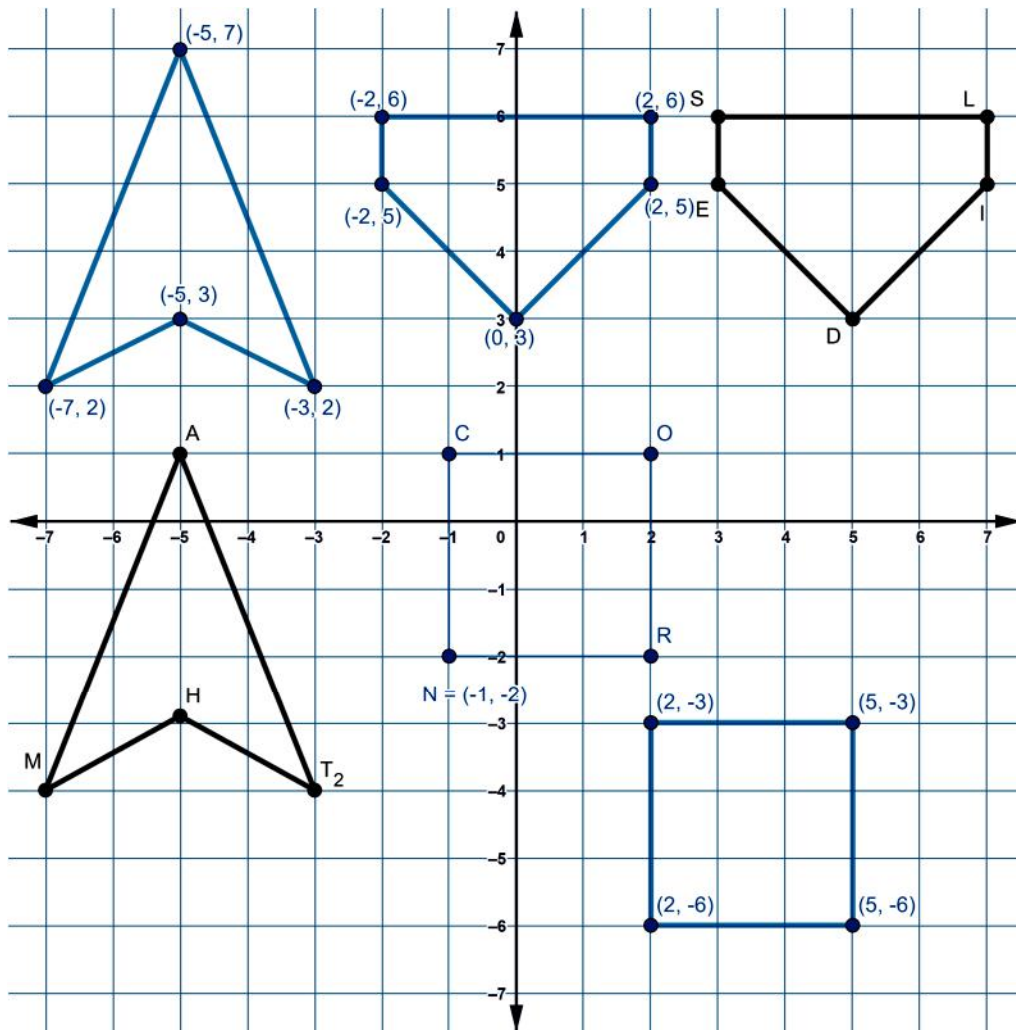
## Grade 5 Geometry Worksheet

Solve the following.



1. Translate the quadrilateral MATH 6 units upward. Plot it and write the new coordinates of the quadrilateral.
2. Translate the pentagon SLIDE 5 units to the left. Plot it in the coordinate plane and write the new coordinates of the pentagon.
3. If the coordinates of the vertices of a square CORN is C  $(-1, 1)$ , O  $(2, 1)$  and R  $(2, -2)$ , what is the coordinate point of N? \_\_\_\_\_
4. If the square CORN is translated 3 units to the right and 4 units downward, what are the new coordinates of the square? Plot these in the coordinate plane and write the new coordinates of the square.

# Answers



- 1 Translate the quadrilateral MATH 6 units upward. Plot it and write the new coordinates of the quadrilateral.
- 2 Translate the pentagon SLIDE 5 units to the left. Plot it in the coordinate plane and write the new coordinates of the pentagon.
- 3 If the coordinates of the vertices of a square CORN is C  $(-1, 1)$ , O  $(2, 1)$  and R  $(2, -2)$ , what is the coordinate point of N?  **$(-1, -2)$**
- 4 If the square CORN is translated 3 units to the right and 4 units downward, what are the new coordinates of the square? Plot these in the coordinate plane and write the new coordinates of the square.