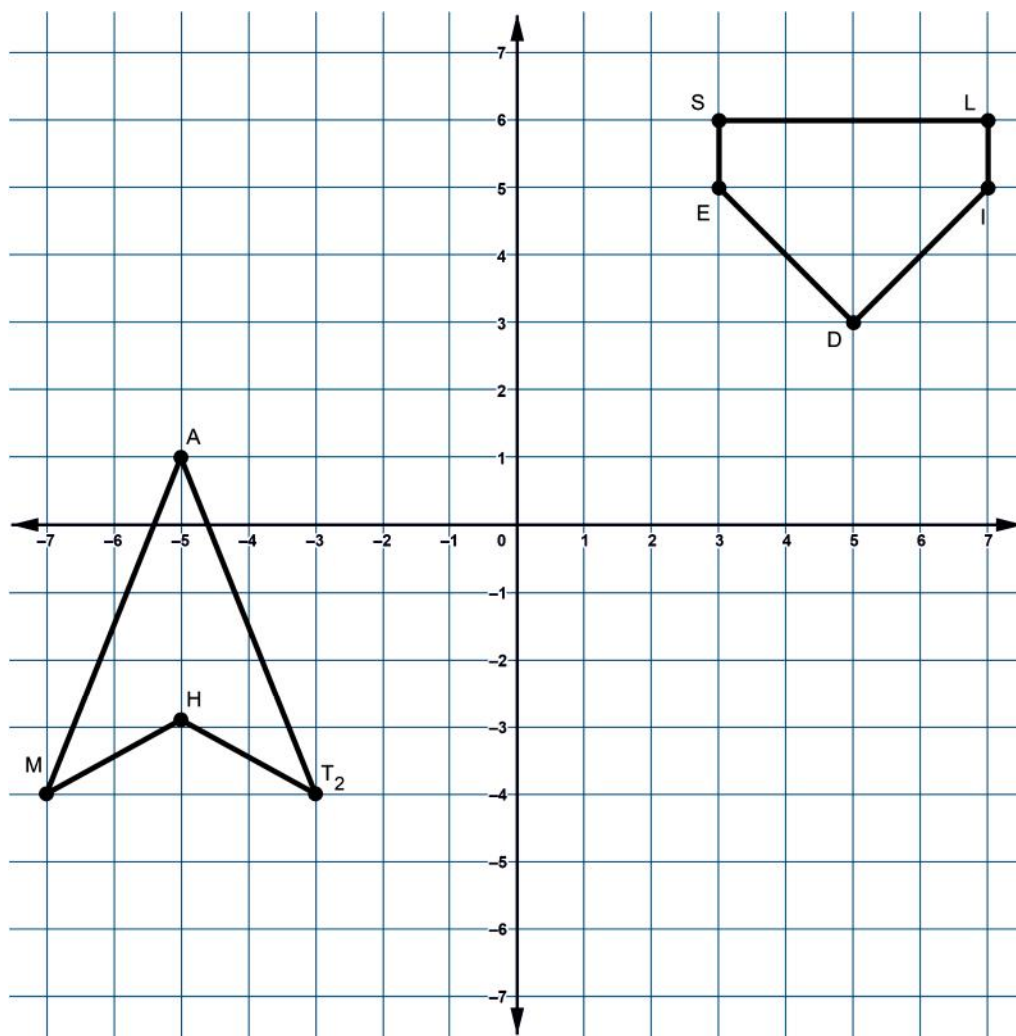




Translation of shapes in the coordinate plane

Grade 5 Geometry Worksheet

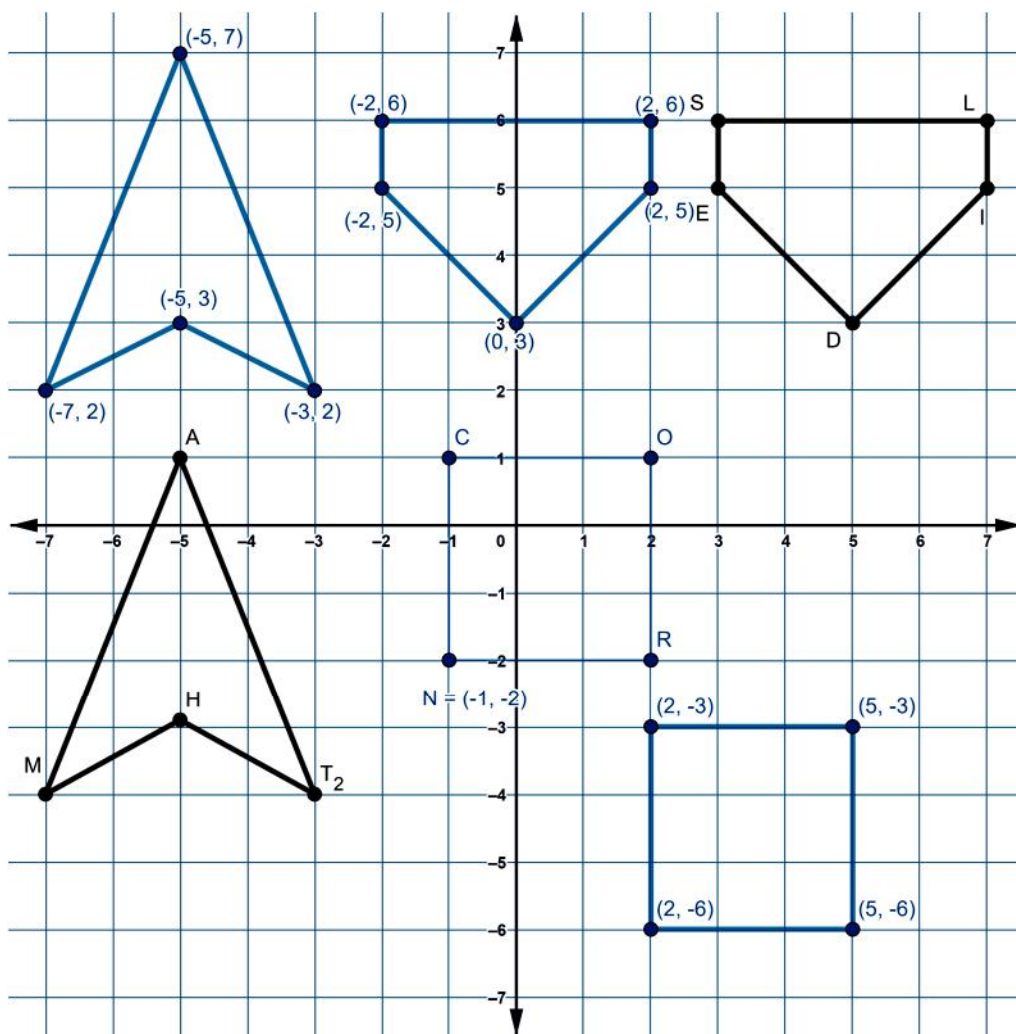
Solve the following.



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



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.