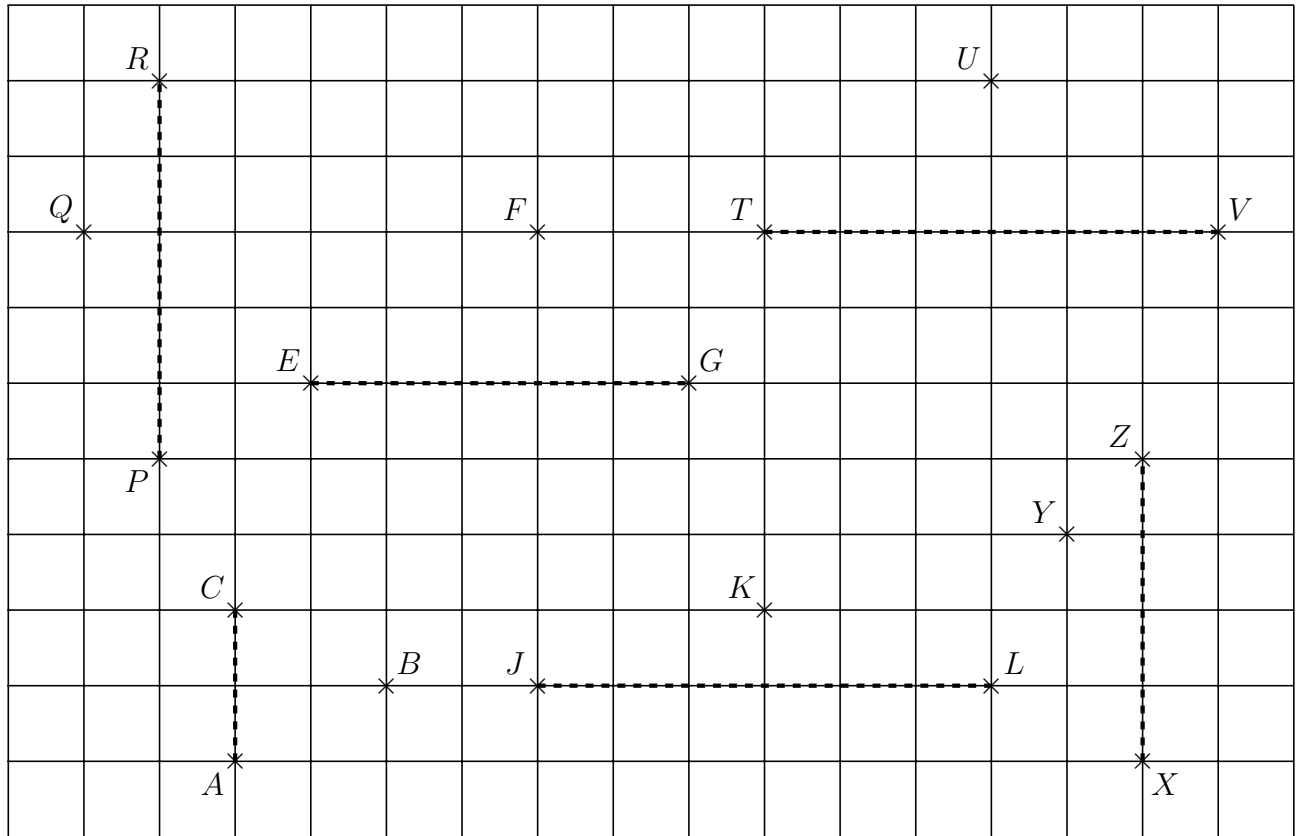
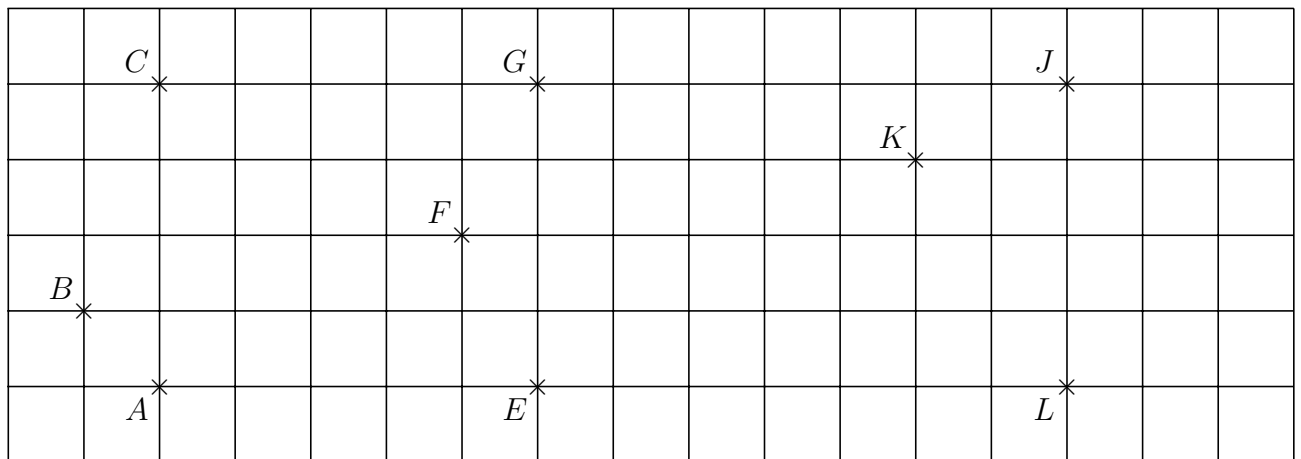


1. On the grid



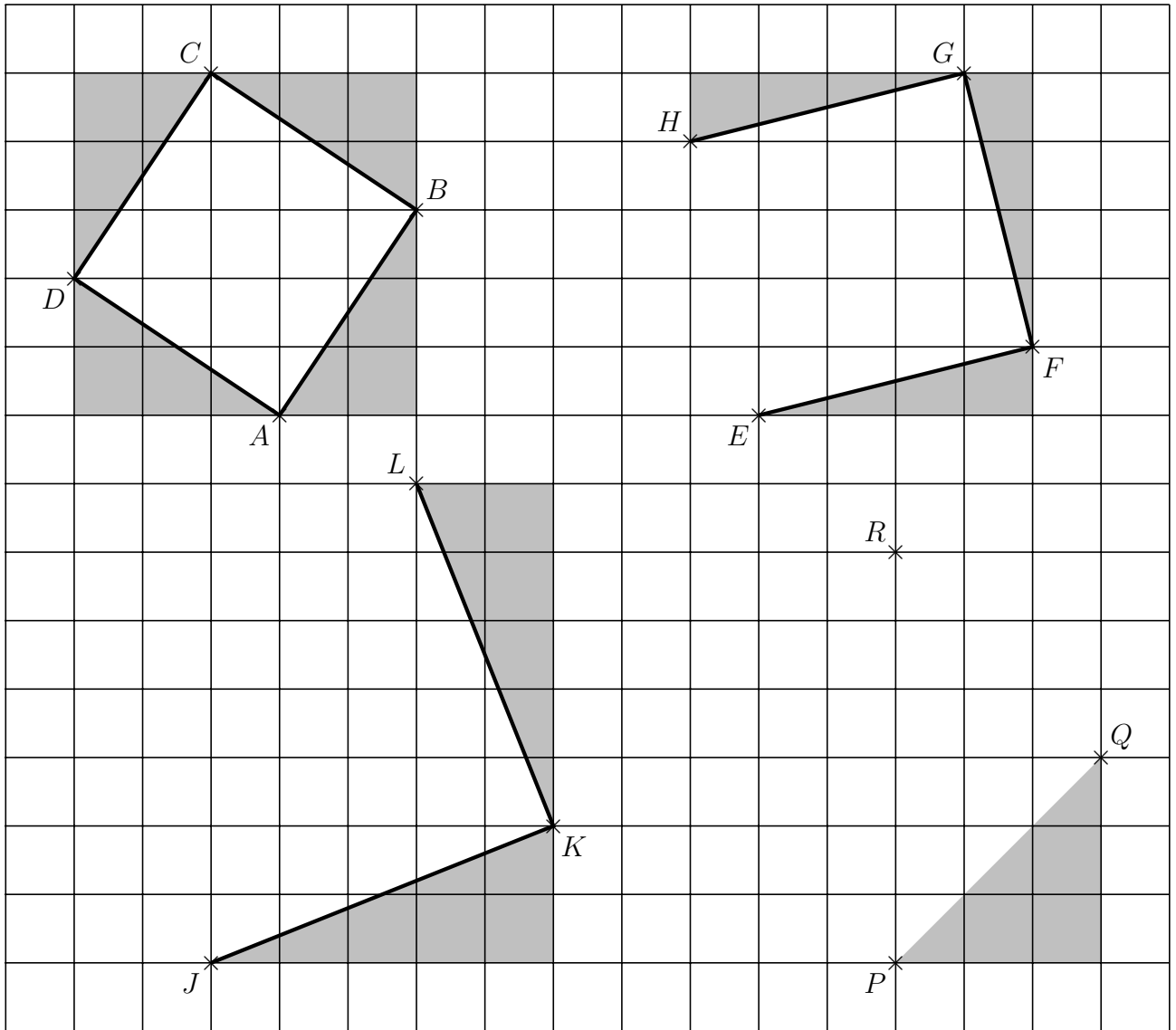
- (i) reflect B in the line AC and label it D.
- (ii) reflect F in the line EG and label it H.
- (iii) reflect K in the line JL and label it K.
- (iv) reflect Q in the line PR and label it S.
- (v) reflect U in the line TV and label it W.
- (vi) reflect Y in the line XZ and label it N.
- (vii) Write inside the quadrilaterals ABCD, EFGH, JKLM, PQRS, TUVW and XYZN either kite or rhombus.
(HINT A kite has 1 line of symmetry and a rhombus has 2 lines of symmetry)

2. On the grid



- (i) add the point D to make ABCD a kite
- (ii) add the point M to make JKLM a kite
- (iii) add the point H to make EFGH a rhombus

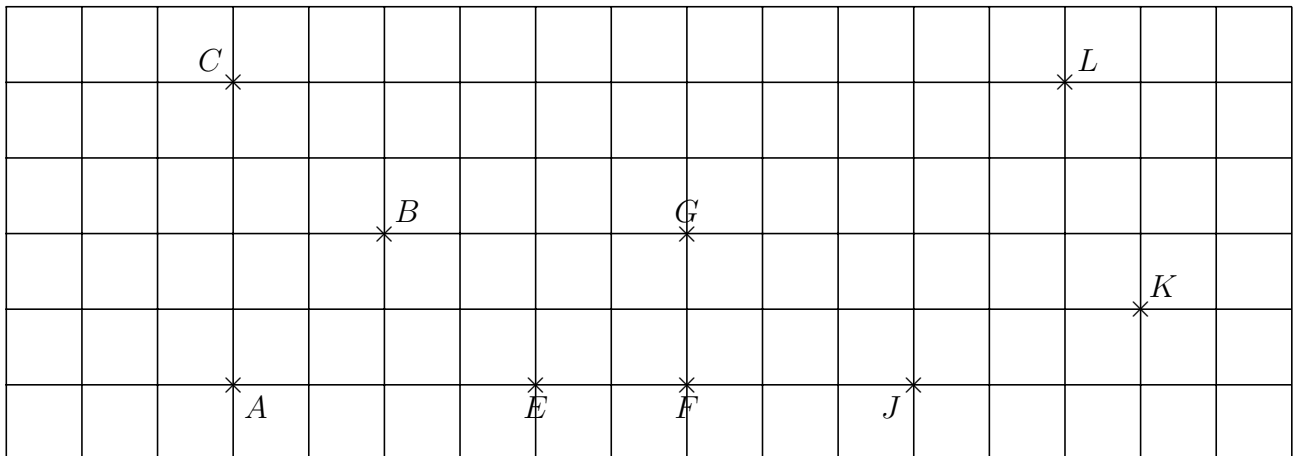
3. On the grid below, see how the 4 rotated* triangles create the square ABCD.



*the triangles are congruent (the same size and shape)

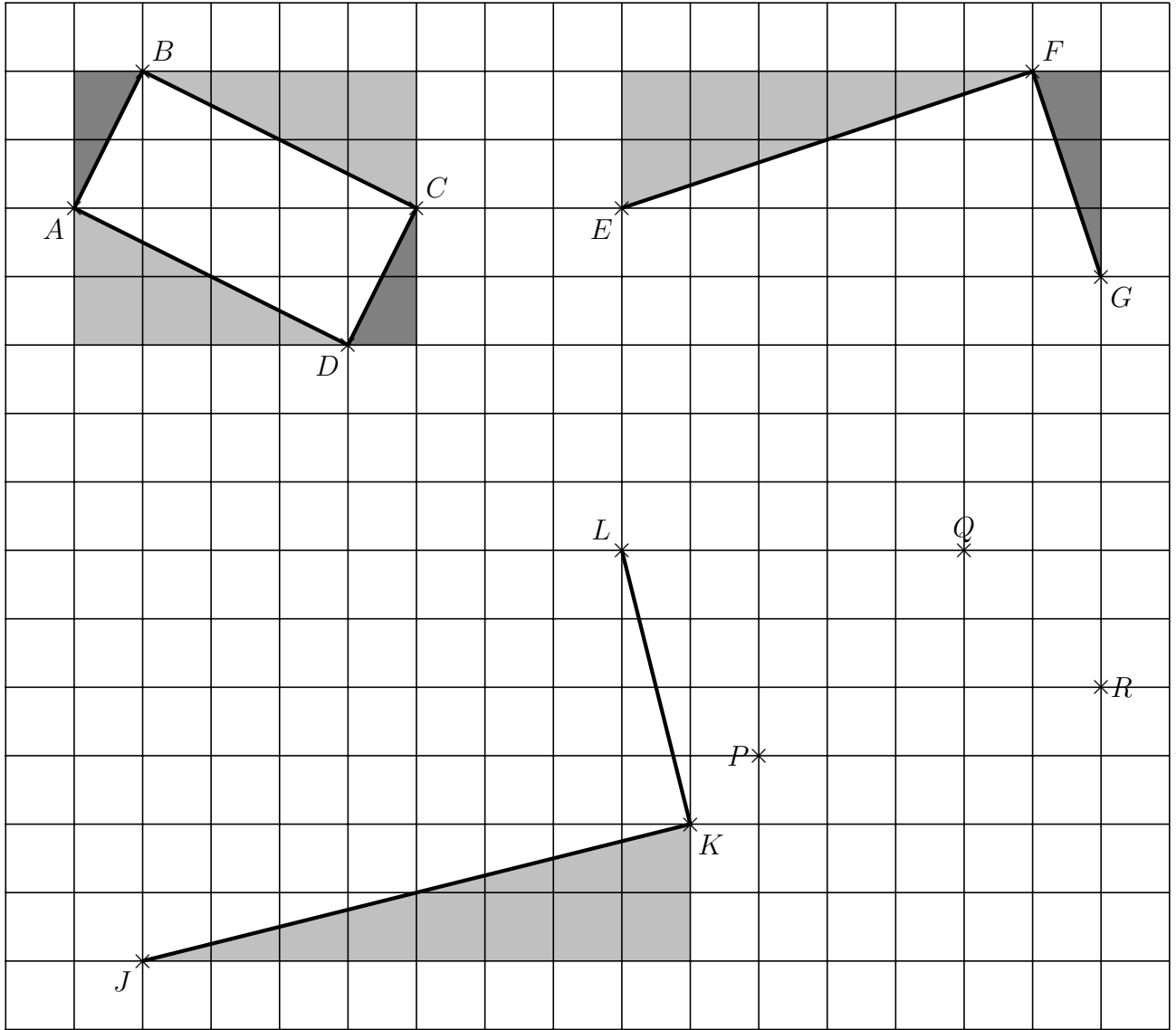
Complete squares EFGH, JKLM and PQRS using shaded triangles to help you.

4. On the grid



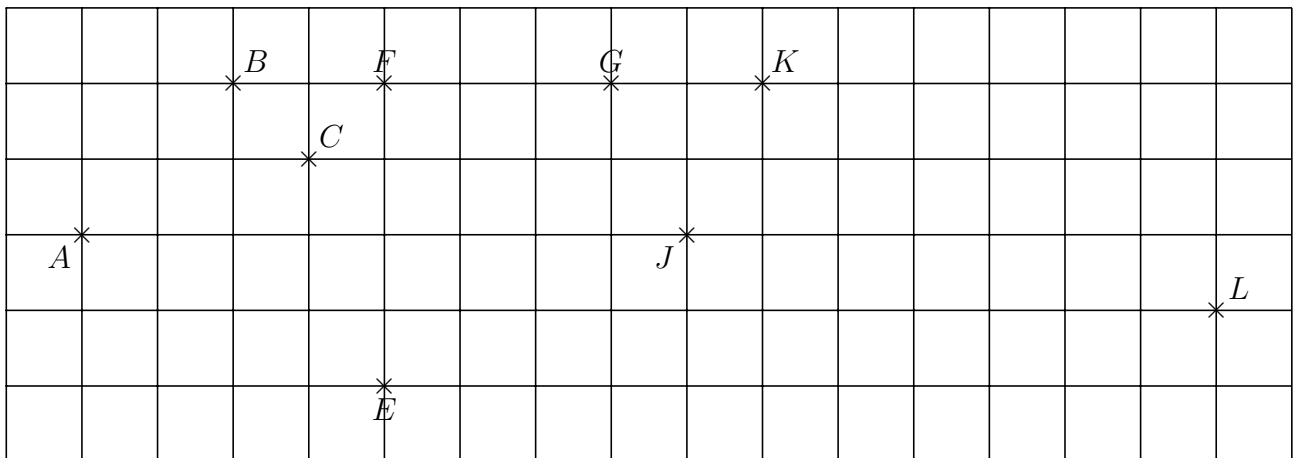
- (i) add the point D to make ABCD a square
- (ii) add the point M to make JKLM a square
- (iii) add the point H to make EFGH a square (HINT it's sides are on the grid lines)

5. On the grid below, see how the 2 pairs of rotated triangles create the rectangle ABCD



Complete rectangles EFGH, JKLM and PQRS using shaded triangles to help you.

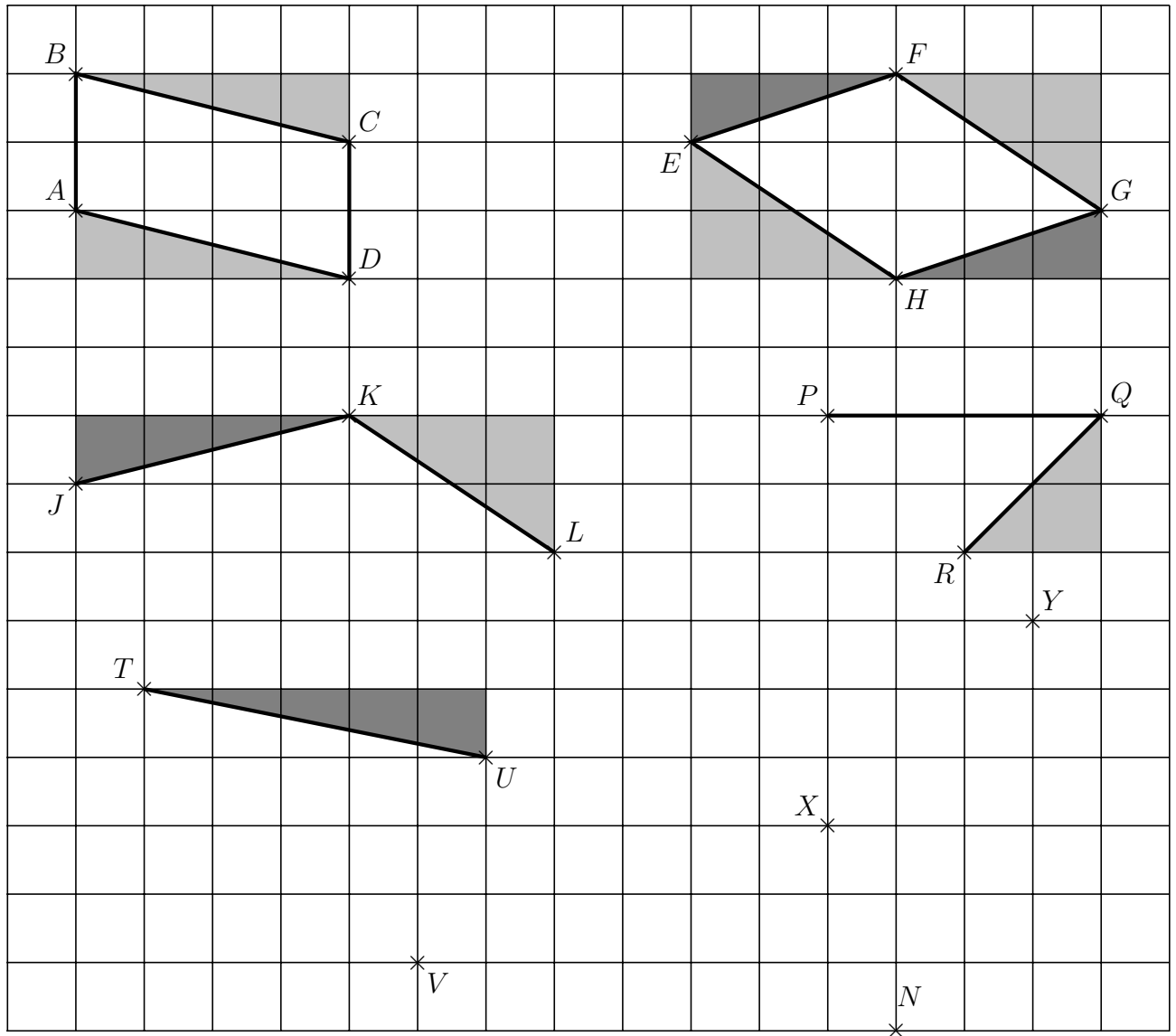
6. On the grid



- (i) add the point D to make ABCD a rectangle
- (ii) add the point M to make JKLM a rectangle
- (iii) add the point H to make EFGH a rectangle (HINT it's sides are on the grid lines)

7. On the grid below, see how

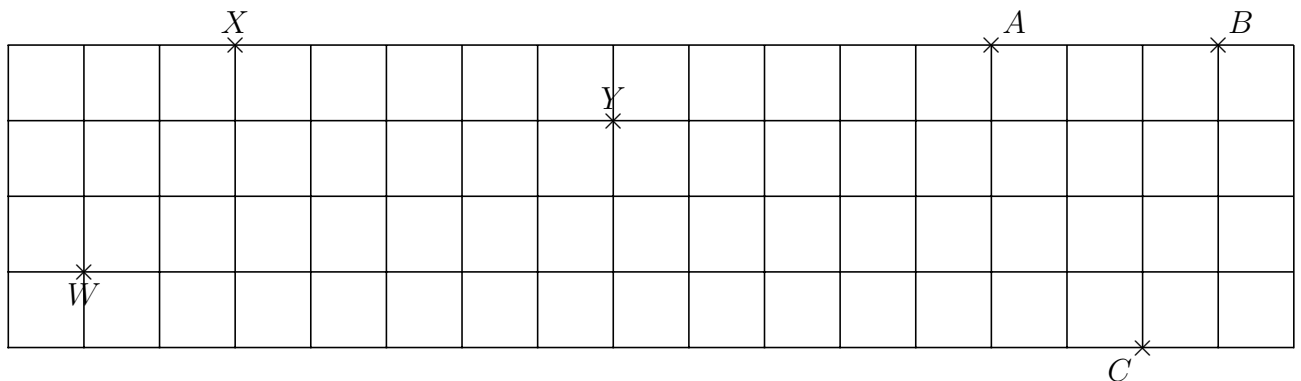
a pair of rotated triangles create the parallelogram ABCD
and 2 pairs of rotated triangles create the parallelogram EFGH.



Complete parallelograms JKLM, PQRS, TUVW AND NXYZ

You may use shaded triangles to help you.

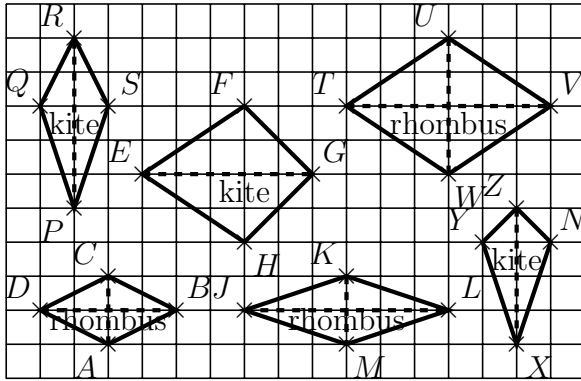
8. (i) On the grid add point D to make ABCD a parallelogram.



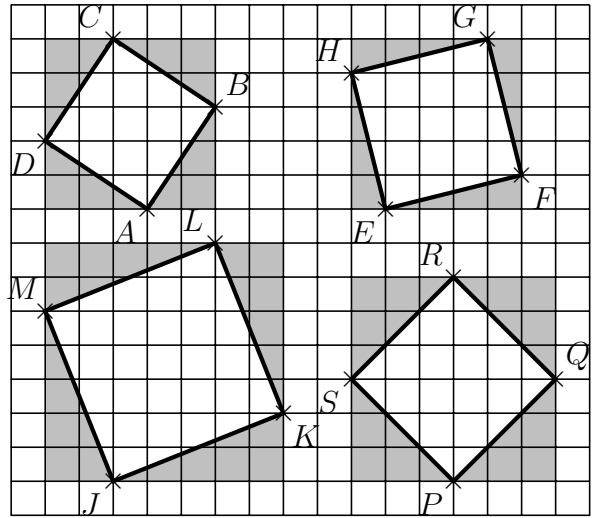
(ii) add the point Z to make WXYZ a parallelogram

Answers

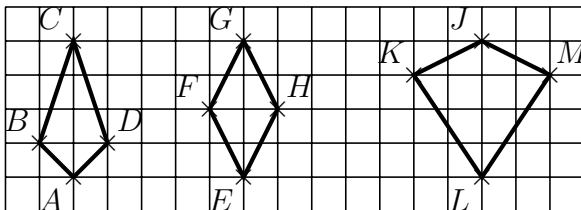
1)



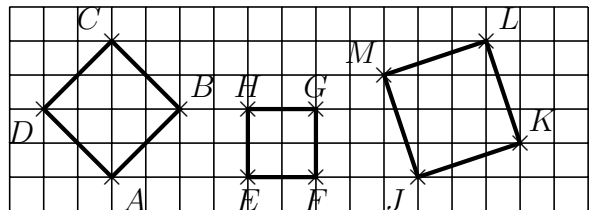
3)



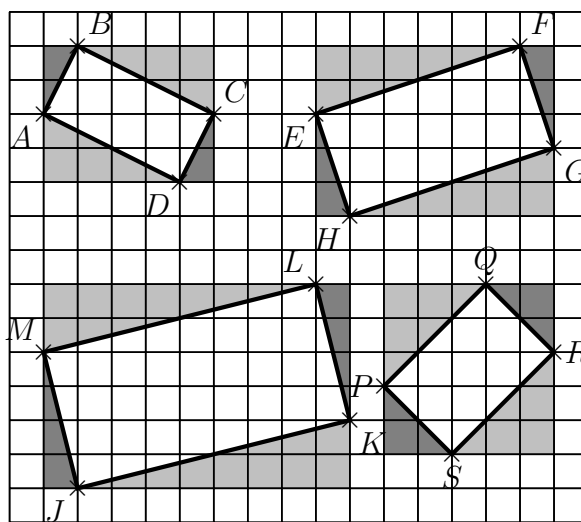
2)



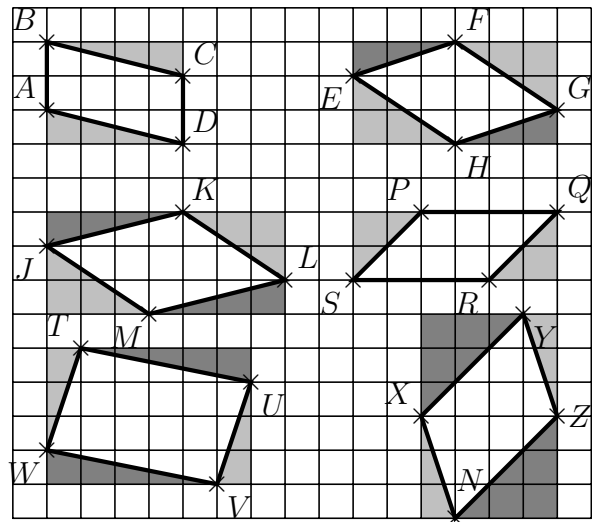
4)



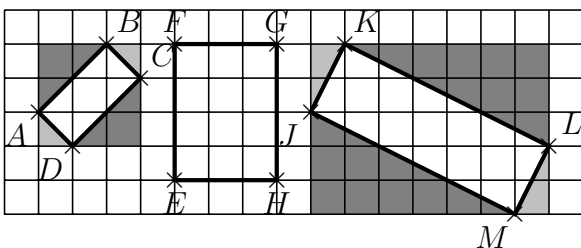
5)



7)



6)



8)

