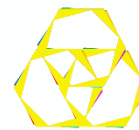


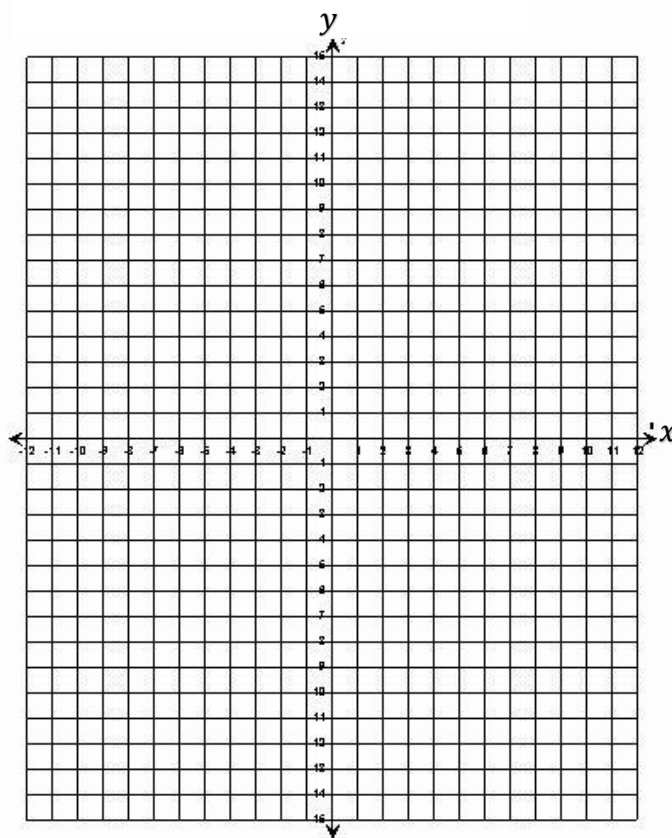


Grade 9 - Mathematics Transformation Geometry 2



Activity

1.

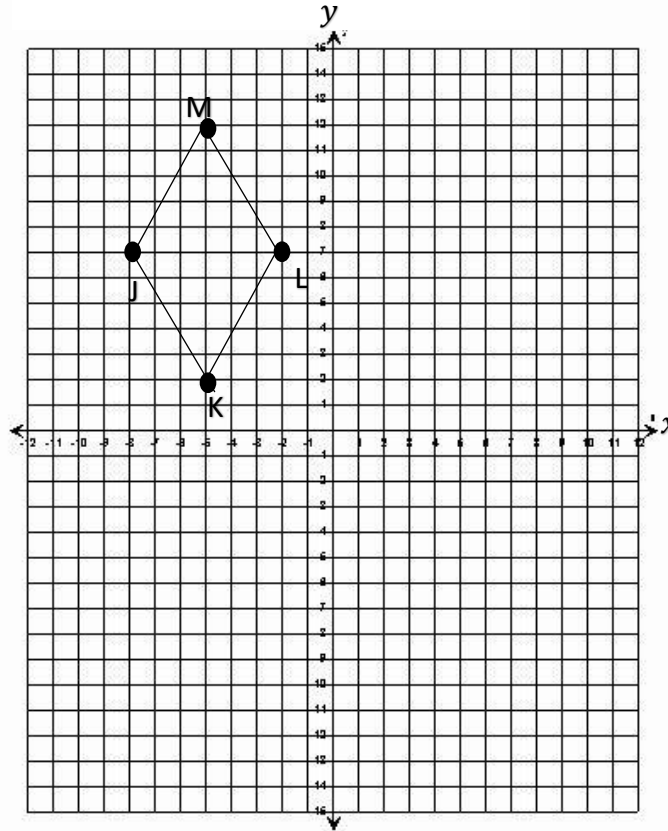


- Plot point D at $(-9; -4)$
- Reflect point D across the x axis.
- Record the co-ordinates of D^1 ?

- Reflect point D across the y axis.
- Record the co-ordinates of D^2 .



2.

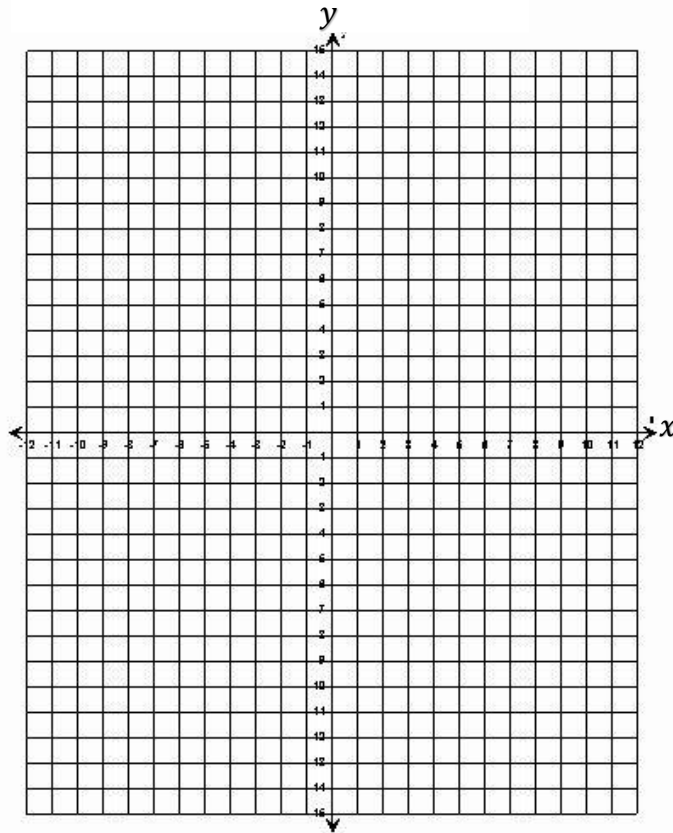


- Reflect JKLM across the x axis.
- Give the co-ordinates for J and J' .

- Give the co-ordinates for M and M' .



3.



- Plot $\triangle UVW$, where U is $(-2; -2)$; V is $(-6; 6)$ and W is $(4; 6)$
- Using a different colour pencil, reflect $\triangle UVW$ across the x axis
- Give the co-ordinates for V and V^1 .

- Give the co-ordinates for W and W^1 .

- Give the co-ordinates for U and U^1 .

- In each set of co-ordinates what do you notice about the x co-ordinates?

- In each set of co-ordinates what do you notice about the y co-ordinates?
