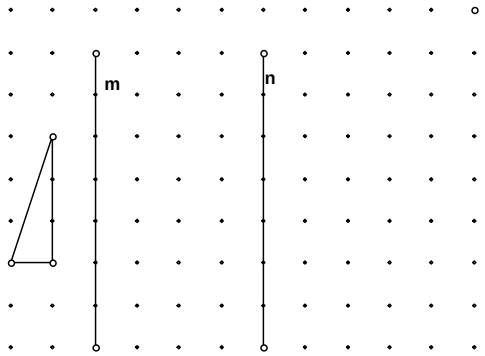
2-step transformations:

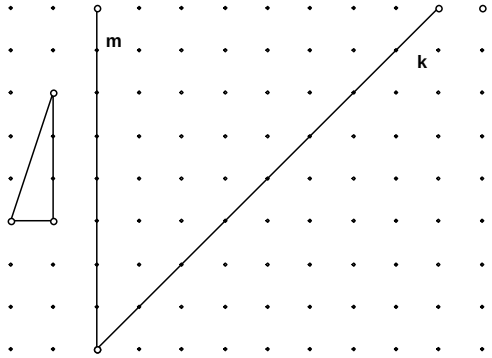
name:_____

1. Show the position of the triangle if you reflect first in m and then in n.



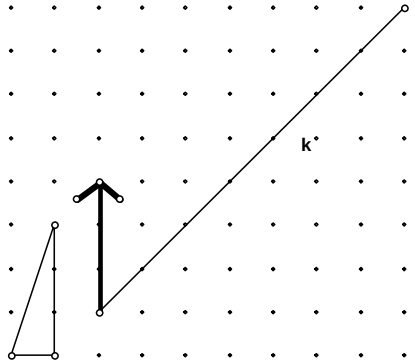
This same thing can be done in one step by a translation. Describe that translation:

2. Show the position of the triangle if you reflect first in m and then in k:

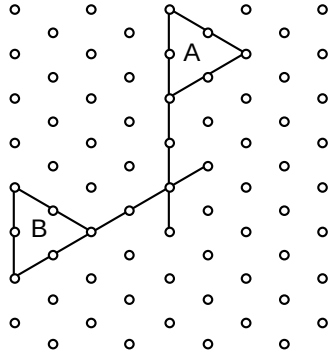


This same thing can be done by a rotation. Estimate the rotation point and angle:

3. Show the result of first translating along the vector, and then reflecting in the line k:

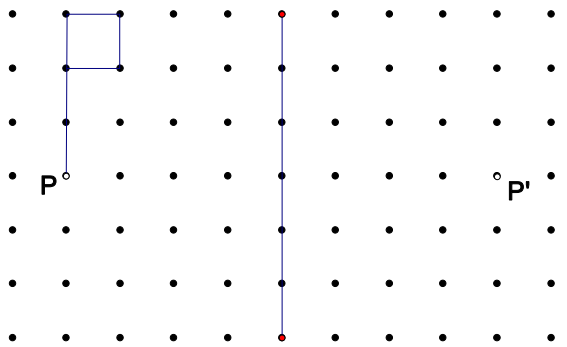


4. Completely describe the rigid motion (reflection, rotation or translation) that moves A to B:

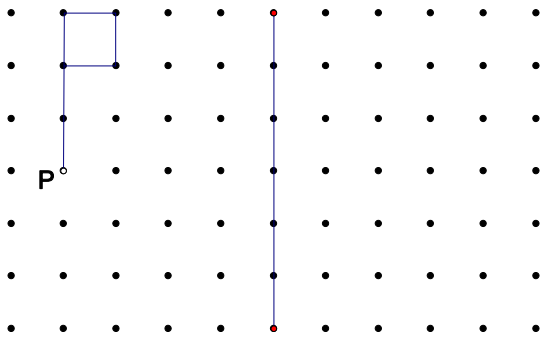


Please note that P' is the image of the point P after the first transformation

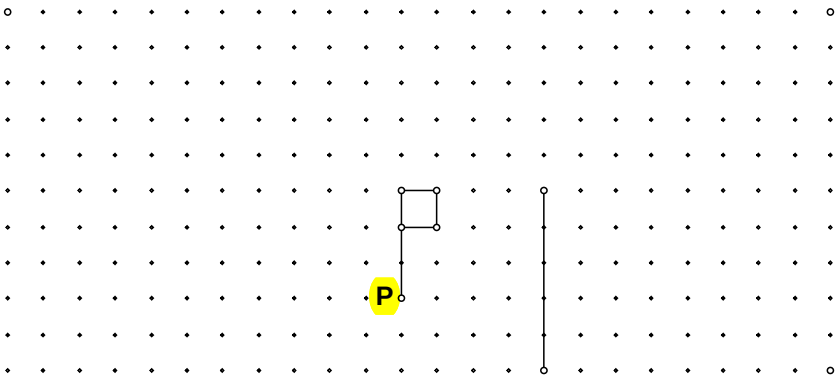
5.a. Show the final image of the flag after : first reflecting across the line, and then rotating 90° around point P'



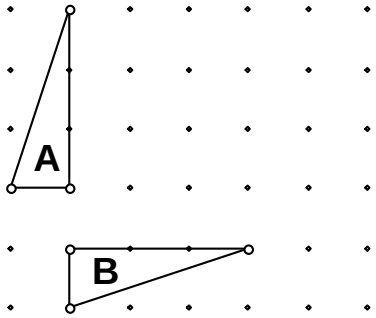
5b. Show the final image of the flag after first rotating -90° about the point P, and then reflecting across the line

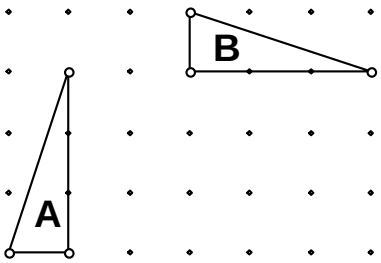


5c. Show the final image of the flag after first reflecting across the line, and then rotating 90° around point P (not P').



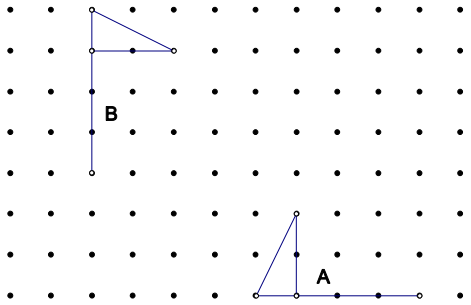
6. Describe with no more than 3 steps how to get from triangle A to triangle B:



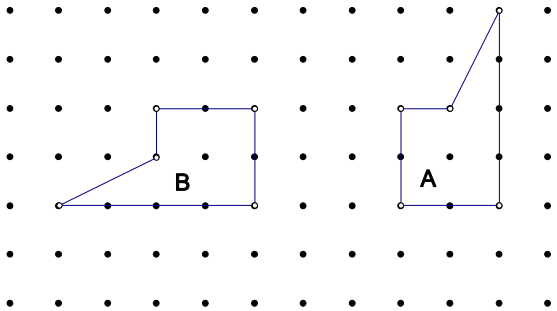


7. Describe with no more than 3 steps how to get from shape A to shape B in each problem:

a.



b.



c.