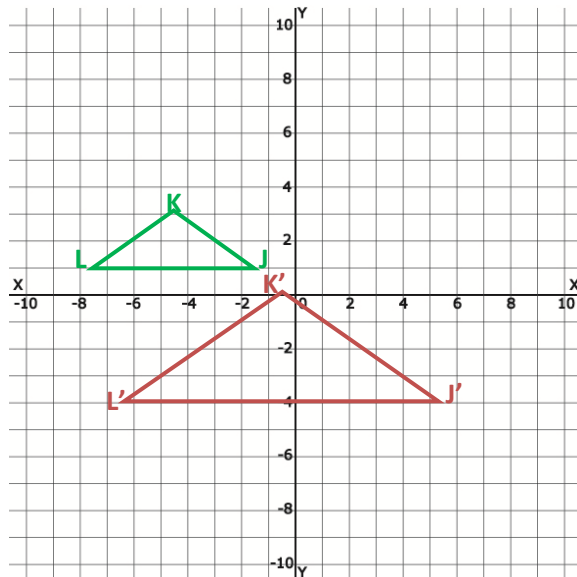


Similarity Transformations Problems - Matching Worksheet

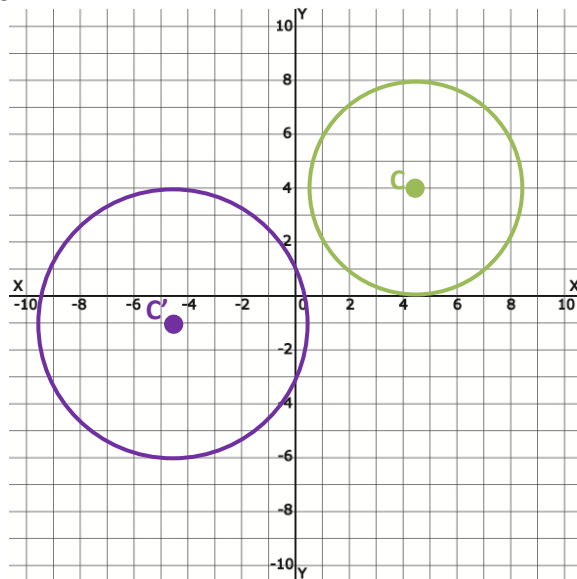
Write the letter of the answer that matches the problem.

_____ 1. You can transform $\triangle JKL$ to $\triangle J'K'L'$ by translating it and then performing dilation centered at the origin. So, $\triangle JKL \sim \triangle J'K'L'$. Find the translation rule and the scale factor of the dilation.



a. Translation: $(x, y) \rightarrow (x-9, y-5)$
Scale factor: 1.25

_____ 2. You can transform C to C' by translating it and then performing dilation. Find the translation rule and the scale factor of the dilation.



b. Translation: $(x, y) \rightarrow (x+4, y-3)$
Scale factor: 2

