

The green rectangle is the image of the blue rectangle after a stretch with invariant line through A and B.

- What is the scale factor?
- Find the position of C' , and the shape and area of the green image, if the scale factor stays the same but A and B are moved to
 - $(0, 8)$ and $(1, 8)$
 - $(0, 7)$ and $(1, 8)$
 - $(0, 6)$ and $(1, 8)$.

