8. **Assessment Focus**

   a) Plot these points on a coordinate grid:
      A(2, 4), B(4, 4), C(4, 2), D(6, 2), E(6, 6)
      Join the points to draw polygon ABCDE.

   b) Translate the polygon 4 units right and 6 units up.
      Write the coordinates of each vertex of the image polygon A′B′C′D′E′.

   c) Reflect the image polygon A′B′C′D′E′ in the y-axis.
      Write the coordinates of each vertex of the image polygon A″B″C″D″E″.

   d) How does polygon A″B″C″D″E″ compare with polygon ABCDE?

   When there are 2 transforma
   we use a "double" prime no
   vertices of the second image

9. a) Plot these points on a coordinate grid: F(−5, 8), G(0, 8), H(−1, 5), J(−5, 5)
      Join the points to draw trapezoid FGHJ.

   b) Translate the trapezoid 2 units right and 1 unit down.

   c) Translate the image trapezoid F′G′H′J′ 2 units right and 1 unit down.

   d) Repeat part c four more times for each resulting image trapezoid.

   e) Describe the translation that moves trapezoid FGHJ to
      the final image.