Question 4   **(25 marks)**
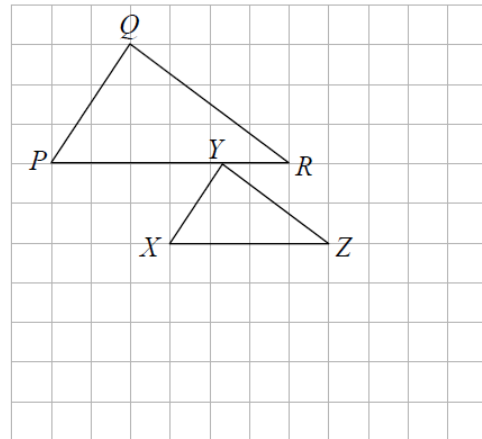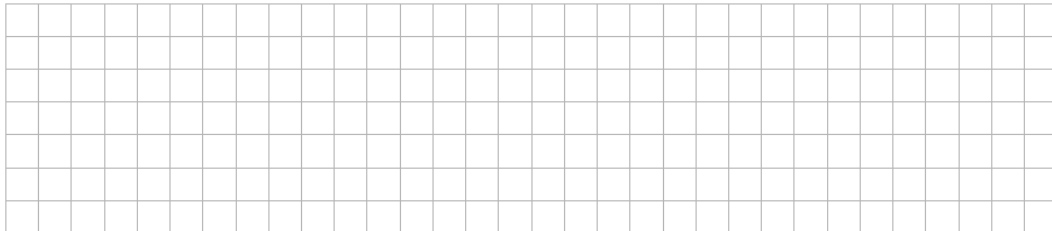
Two triangles are drawn on a square grid as shown.
The points P, Q, R, X, and Z are on vertices of the
grid, and the point Y lies on $[PR]$. The triangle
PQR is an enlargement of the triangle XYZ.

(a)   Calculate the scale factor of the enlargement, showing your work.

(b)   By construction or otherwise, locate the centre of enlargement on the diagram above.

(c)   Calculate $|YR|$ in grid units.