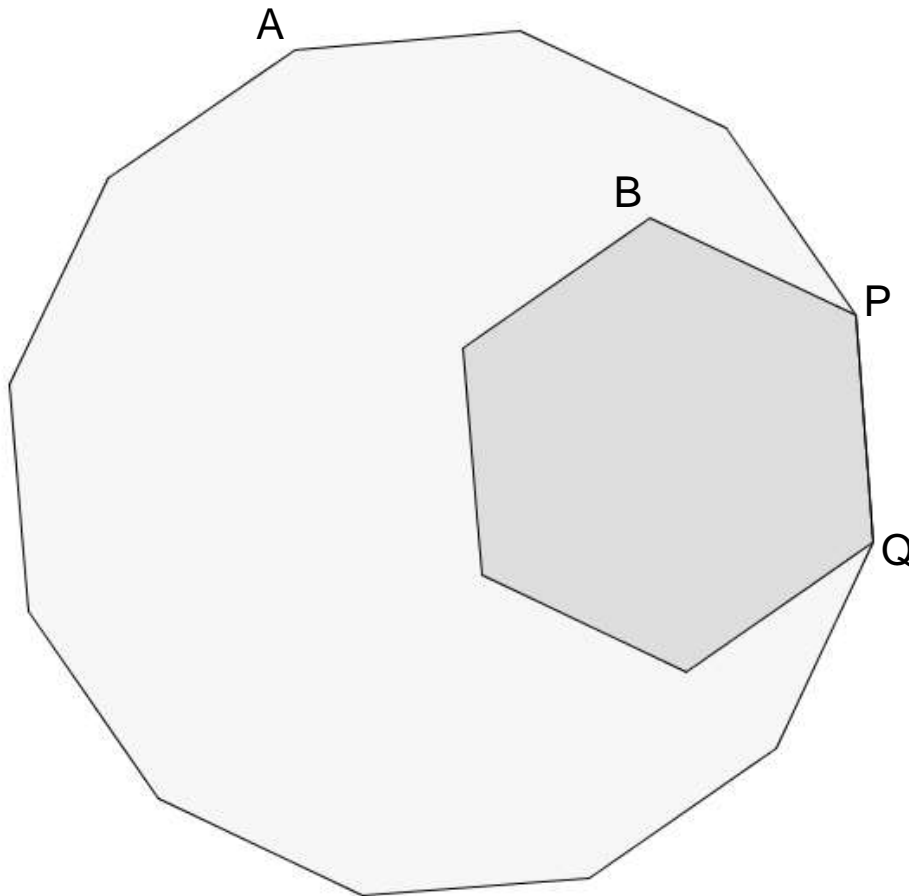


### Dodecagon and Hexagon

This diagram shows a regular dodecagon and a regular hexagon with a common side PQ.



Show that the points A, B and P all lie on the same straight line.