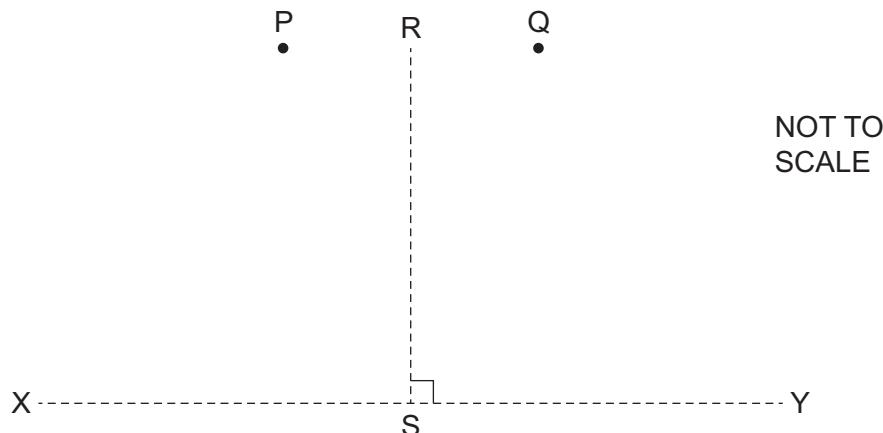


- 28** Coherent waves are produced at P and Q and travel outwards in all directions. The line RS is half-way between P and Q and perpendicular to the line joining P and Q. The distance RS is much greater than the distance PQ.



Along which of the lines shown is an interference pattern observed?

- A** both RS and XY
- B** RS only
- C** XY only
- D** neither RS nor XY