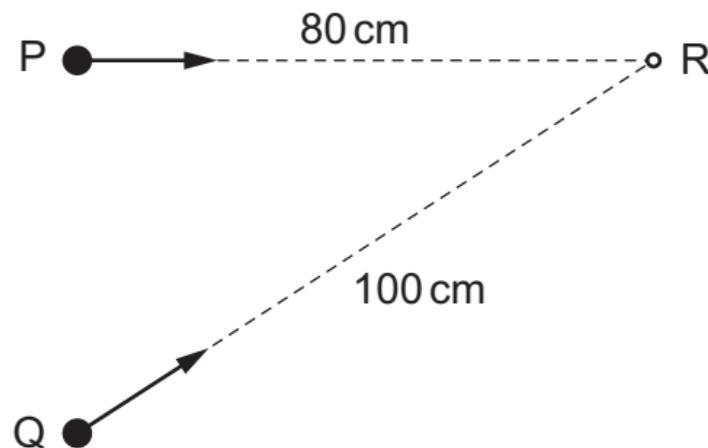


- 21 Two identical waves are produced by sources at points P and Q. The waves travel along different paths to reach point R, as shown.



Both waves have a wavelength of 6.0 cm. The waves are in phase at point R.

What is the phase difference between the waves as they leave points P and Q?

A  $0^\circ$

B  $60^\circ$

C  $90^\circ$

D  $120^\circ$