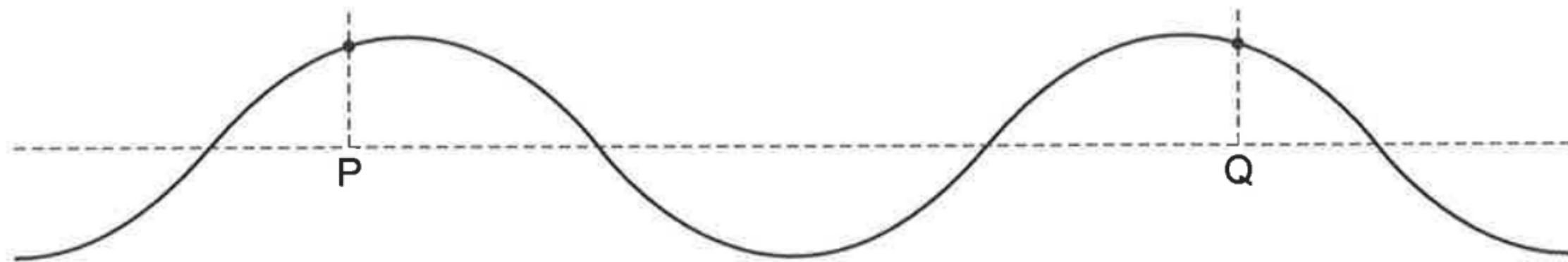


- 16 The diagram shows a section of a string under tension carrying a sinusoidal transverse wave. The horizontal dotted line is the undisturbed position of the string.



What is the phase difference between the oscillations at points P and Q along the string? (You are expected to measure relevant distances.)

A 0.9 rad

B 1.4 rad

C 2.0 rad

D 3.6 rad

- 17 Two waves, one having twice the frequency and having twice the amplitude of the other, are superposed.