

- 29** Two wave sources are oscillating in phase. Each source produces a wave of wavelength λ . The two waves from the sources meet at point X with a phase difference of 90° .

What is a possible difference in the distances from the two wave sources to point X?

A $\frac{\lambda}{8}$

B $\frac{\lambda}{4}$

C $\frac{\lambda}{2}$

D λ

- 30** Which diagram best illustrates the electric field around a positive point charge?