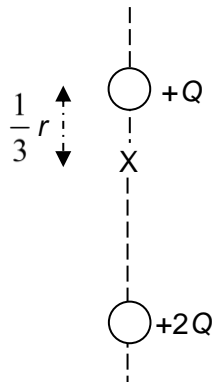20 Two point charges of +Q and +2Q are lined up along a vertical straight line as shown below. The distance between them is r.

Which set of values correctly gives the electric field strength and the electric potential at point X, a distance $\frac{1}{3}r$ from the +Q charge?

	electric potential	electric field strength
A	$\dfrac{3Q}{2\pi\varepsilon_o\,r}$	$\dfrac{9Q}{8\pi\varepsilon_o\,r^2}$ downwards
B	$\dfrac{3Q}{2\pi\varepsilon_o\,r}$	$\dfrac{9Q}{8\pi\varepsilon_o\,r^2}$ upwards
C	$\dfrac{3Q}{8\pi\varepsilon_o\,r}$	$\dfrac{9Q}{8\pi\varepsilon_o\,r^2}$ upwards
D	$\dfrac{3Q}{8\pi\varepsilon_o\,r}$	$\dfrac{9Q}{4\pi\varepsilon_o\,r^2}$ downwards