

6 A proton can be considered to be both a point charge and a point mass. There is an electric field and a gravitational field associated with the proton.

Which of the following statements about the fields is **not** correct?

☒ A Field strength is a vector.

☒ B Potential is always less than 0.

☒ C Potential is proportional to $\frac{1}{\text{distance from proton}}$

☒ D Field strength is proportional to $\frac{1}{(\text{distance from proton})^2}$

(Total for Question 6 = 1 mark)