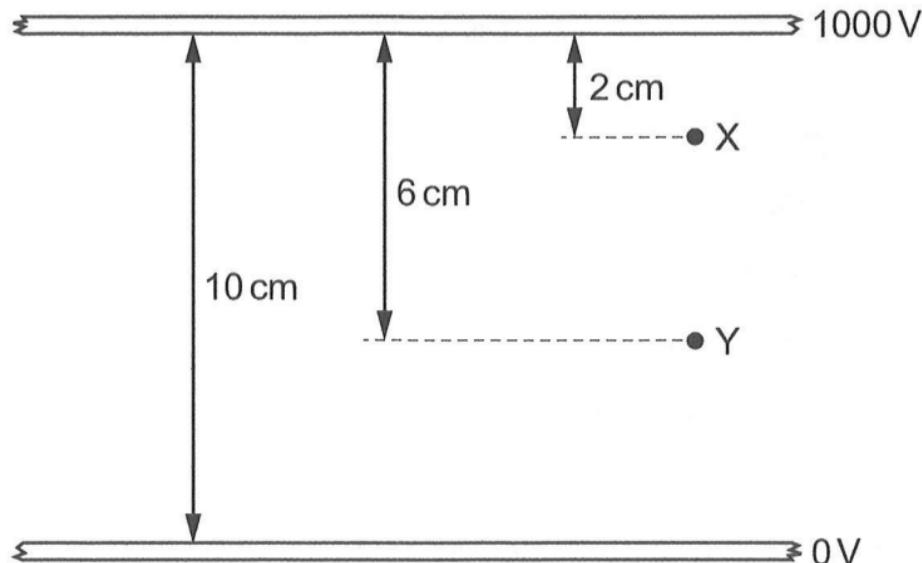


- 22 Two horizontal metal plates are 10 cm apart. The lower plate is at a potential of 0 V and the upper plate is at 1000 V. The electric field between the plates is uniform. Point X is 2 cm below the upper plate and point Y is 6 cm below the upper plate, as shown.



What is the potential difference between X and Y?

A 200 V

B 400 V

C 600 V

D 800 V