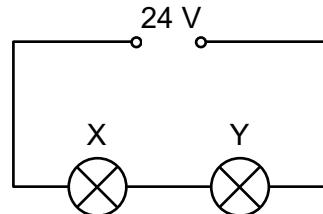


- 23** Two filament lamps X and Y are connected in series with a 24 V power supply. Lamps X and Y dissipate power of 1 W and 3 W respectively.



What is the potential difference across lamp X?

A 6 V

B 8 V

C 16 V

D 18 V