

29 Two heating coils X and Y, of resistance  $R_X$  and  $R_Y$  respectively, deliver the same power when 12V is applied across X and 6V is applied across Y.

What is the ratio  $R_X/R_Y$ ?

**A**  $\frac{1}{4}$

**B**  $\frac{1}{2}$

**C** 2

**D** 4