19 A resistor has resistance R. When the potential difference across the resistor is V, the current in the resistor is I. The power dissipated in the resistor is P. Work W is done when charge Q flows through the resistor.

What is **not** a valid relationship between these variables?

A $I = \frac{PQ}{W}$ **B** $Q = \frac{W}{IR}$ **C** $R = \frac{V^2}{P}$ **D** $R = \frac{W}{PQ}$