With a certain amount of experience, not that much, one becomes sensitized to series-parallel resistor combinations, and the possibility of series-parallel reduction.

\[ V = 18\times(4+4) = 96 \text{ volts} \]
\[ V/2 = 48 \text{ volts (voltage divider)} \]

\[ V_a = 72v \]
\[ V_b = 12 - 72 = -60v \]
\[ V_c = 12 - 32 = 20v \]