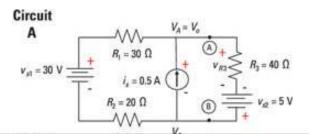
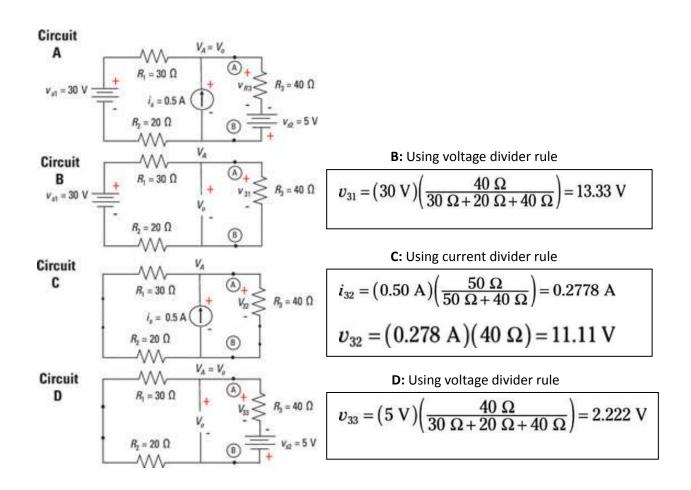
Find voltage across $R_3 \!\!=\!\! 40\Omega$ using superposition theorem.



Find voltage across R_3 =40 Ω using superposition theorem.



Using superposition principle

$$v_{R3} = v_{31} + v_{32} + v_{33}$$

 $v_{R3} = 13.33 \text{ V} + 11.11 \text{ V} + 2.222 \text{ V}$
 $v_{R3} = 26.67 \text{ V}$