



$$I_a = \frac{10[V]}{14[\Omega]} = 0.71[A]$$

~~$$P = I_a^2 R = (0.71)^2 \cdot 6 = 2.94[W]$$~~

$$P_{\text{ABS BY } 6[\Omega]} = (I_a)(V_a) = \cancel{2.94} \frac{V_a^2}{6[\Omega]} = 3.06[W]$$

$$\rightarrow V_a = \pm 4.29[V]$$