6-2 Soln)

$$\mathcal{E}_{AVE} = (-)N\frac{\Delta\Phi_M}{\Delta t} = (N)\frac{\Phi_{Mf} \quad \Phi_{Mi}}{\Delta t} = N\frac{\mathrm{B}_{\perp f} - \mathrm{B}_{\perp i}}{\Delta t}A = 75\frac{0-0.5}{0.3}0.35^2 = 15.3\,V \ ,$$

where I've dropped the signs.