1). Simple

$$\dot{Q} = kA\frac{\Delta T}{L} = 0.78 \times 20 \times \frac{25}{0.4} = \frac{975}{\cancel{156}}\ W.$$

2) $ Resistance $\quad R_{wall} = \frac{L}{kA} = \frac{0.4}{0.78 \times 20} = 0.0256\ ^\circ C/W$

$$\dot{Q} = \frac{\Delta T}{R_{wall}} = \frac{25}{0.0256} \approx 976.6\ W.$$