Physics 12 Section 18-6 Electric Power

1. Power is the rate at which work is done or energy is used.

But

$$I = Q$$

So

2. Ohm's Law V = IR can be combined with P = IV to produce two additional equations.

$$P = I^2R$$

And

$$P = \frac{VV}{R}$$

$$P = \frac{V^2}{R}$$

Do 23-25, 27-29, 33, 34, and 36 on page 552.