$$mc\Delta T_{lost} = mc\Delta T_{gained}$$

$$v = f\lambda$$

$$\emptyset_{in} = \emptyset_{out}$$

$$n_1 \sin \emptyset_1 = n_2 \sin \emptyset_2$$

$$\frac{1}{R_e} = \frac{1}{R_1} + \frac{1}{R_2} + \frac{1}{R_3}$$

$$V = I R$$

$$R_e = R_1 + R_2 + R_3$$

$$P = I V$$

$$\Delta PE = \Delta KE = \Delta W$$

$$P = \frac{W}{t}$$

$$m_1 v_1 = - m_2 v_2$$

$$v = \frac{d}{t}$$

$$m_1 v_1 + m_2 v_2 = (m_1 + m_2) v'$$

$$\frac{1}{f} = \frac{1}{d_o} + \frac{1}{d_i}$$

$$\frac{h_i}{h_o} = \frac{d_i}{d_o}$$

$$W = F d$$

$$KE = \frac{mv^2}{2}$$

$$PE = mgh$$

Check your algebra carefully!