

## Answer Key, Assignment 9

1. Transmitted,  $\lambda > 0.867 \mu\text{m}$ , Absorbed  $\lambda \leq 0.867 \mu\text{m}$
2. (a) 20% (b) 19% (c)  $33 \text{ m}^2$ .
3. (a)  $1.04 \times 10^4 \text{ Btu/hr}$  (b)  $8.52 \times 10^3 \text{ Btu/hr}$  (c) Drywall:  $2.1^\circ\text{F}$   
Insulation:  $37.9^\circ\text{F}$

Text questions: Answers given