A. Earth as a blackbody

A-1	$S_0 =$	$S_0 =$ $\mathrm{W/m^2}$	0.6 pt
A-2	$T_E =$	$T_E =$ K	0.6 pt
A-3	$f(x) =$		0.4 pt
A-4	$x_m =$	$b =$ nm. K	0.4 pt
A-5	$\lambda_{max}^{S} =$ nm	$\lambda_{max}^{E} =$ nm	0.2 pt
A-6	$\gamma =$	γ(numerical) =	0.8 pt

B. The Greenhouse Effect

B-1	$T_E =$ $T_A =$	$T_E =$ K $T_A =$ K	1.0 pt
B-2	$\alpha =$	α(numerical) =	1.6 pt
B-3	$T_E =$	ϵ(numerical) =	1.0 pt
B-4	$\frac{dT_E}{d\epsilon} =$	$\delta T_E =$ K	0.8 pt
B-5	$\epsilon =$ $k =$	ϵ (numerical) = $k =$ $\mathrm{W/m^2K}$	1.6 pt

B-6	(a)	(b) $\delta T_E =$ K	1.0 pt