宇宙と地球と人間 (1st semester, 2015) (Geophysics part)

Final examination　Answer sheet

ID: _____　　　　Name: _____

Q1	$T = \sqrt[4]{\dfrac{(1-\alpha)S_0}{4\sigma}}$		
Q2	(1) $\sigma T_a{}^4$	(2) σT^4	
	(3) $T = \sqrt[4]{\dfrac{(1-\alpha)S_0}{2\sigma}}$		$T_a = \sqrt[4]{\dfrac{(1-\alpha)S_0}{4\sigma}}$
Q3	e.g., This is not an explanation for 'greenhouse effect', but for 'global warming'. The greenhouse effect works even if there is no anthropogenic increase of carbon dioxide.		