## 1/12/22, 2:30 PM Black Body Radiation: Determination of Stefan's Constant (Simulator): Heat & Thermodynamics Virtual Lab: Physical Sciences: ...

Trial no	Temperature of the hemisphere				Tamparature of the disc in kelvin, T.	Time T in see	Steady state temperature of the disc in kelvin, T <sub>d</sub>
	$T_1$	T <sub>2</sub>	T <sub>3</sub>	Average temp, 1 <sub>h</sub> =(1 <sub>1</sub> +1 <sub>2</sub> +1 <sub>3</sub> )/3	reinperature of the disc in kervin, 14	1 me 1 m sec	steady state temperature of the disc in kervin, 1 <sub>d</sub>
1	353	353	353	353	308	30	310.19
2	353	353	353	353	310.19	60	312.38
3	353	353	353	353	312.38	90	314.57