Virtual Astronomy Lab Ex. 27
Spectroscopic Parallax

Do any 10 stars. The star numbers change if you close the program and open it later.

Star #	m	WL$_{max}$(nm)	T(K)	M	HD(pc)

Wien's Law:

$$T(K) = 2{,}898{,}000 \, / \, WL_{max}$$

where the peak wavelength, WL_{max}, is measured in nanometers (nm), and the temperature in Kelvin (K).

To find distance, use $d = 10^x$, where $x = [(m-M)/5] +1$. Do not use the chart given in the Exercise.