

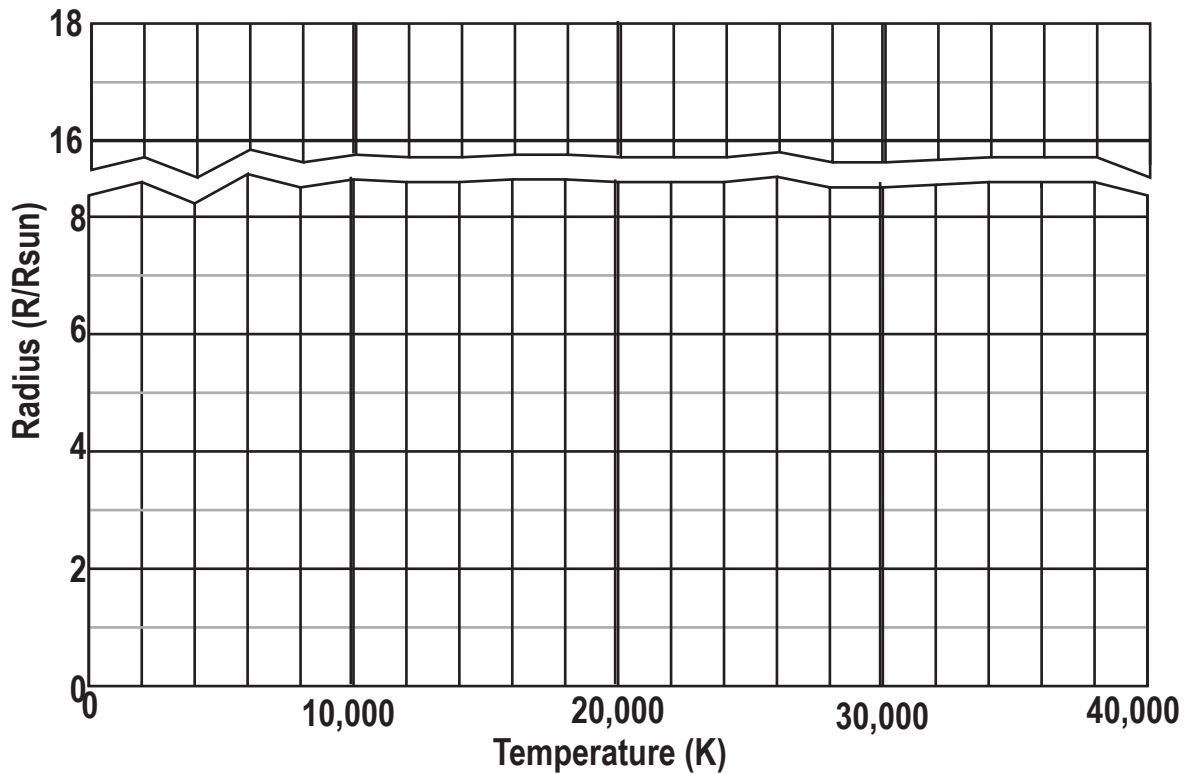
Main Sequence Stars

Name _____ Name _____

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Use the colored pencils to plot the data in the following table onto the graph below. Then answer the questions.

Sample Star	Color	Radius (Sol=1.0)	Surface Temp (K)
Theta Orionis C	blue	18.00	38,000
Pi Andromedae A	blue	6.50	16,400
Eta Arietis	yellow	1.30	6,540
Sol (Earth's Sun)	yellow	1.00	5,780
Ophiuchi A	orange	0.78	5,240
Van Biesbroeck's star	red	0.10	2,660



1. For main sequence stars, what is the relationship between size and temperature?

2. For main sequence stars, what is the relationship between color and size/temperature?