H-R Diagram Assignment # 2

Complete the table. Refer to the numbers below to fill out the columns.

Star Name	AM	SC	1	2	3	4	5	6	7	8
Antares A	- 4.5	M1								
Rigel Kentarus	+ 4.4	G2								
BD 1915 A	+11.2	M3								
Capella A	- .6	G8								
Spica	- 3.6	B1								
Procyon A	+ 2.7	F5								
Pollux	+ .8	K0								
Ross 248	+14.8	M6								
Ross 107	+10.5	B5								
Altair	+ 2.2	A7								

1) Is the star on the main sequence? (yes/ no)
2) What is the classification of the star? (Red Supergiant (RSG), Red Giant (RG), Blue Giant (BG), Red Dwarf (RD), White Dwarf (WD), Middle Main Sequence (MMS))
3) Is the star stable (S), or going through a birth of death process (B/D)?
4) What is the color of the star?
5) If the radius of the star larger, smaller or about the same size as our sun?
6) What is the approximate lifespan of the star on the main sequence?
7) Is the luminosity larger, smaller or about the same as our sun?
8) Is the surface temperature larger, smaller or about the same as our sun?