Spectroscopic Parallax

Star	Abs (M) brightness at 10 pc (independent of how it looks from Earth)	Apparent (m) how it looks from Earth.	Distance	Comments
A	1 ★	1	10pc	it appears as bright as it actually is; when m=M d=10pc
B	-1 brighter	1 dimmer	farther than 10pc.	appears dimmer than it actually is. (M<m Numerically)
C	1 dimmer	-1 brighter	closer than 10pc.	appears brighter than it actually is. (M>m numerically)

Parallax

Spectroscopic

distance modulus*

$$m - M = 5 \log(d - 5)$$

*-do not need to know- only relationships

★Note m≠M values are for demonstration purposes. If you have a problem where values aren't assigned, assigning values might be helpful.

Know:
- Temp
- Size
- Dist.
- Brightness
  - Lum
  - Mag

Spectra
Gcc

Sun - G2 V

↑ spectral type

↑ Roman Numeral → Luminosity Class.