
Exercise F4:

Inverse-square Law: Apparent Brightness

Student name: _____ Class: _____ Date: _____

Check the box with the correct answer.

Question 1: Select each star and note the **Distance** information in the Info view. How far away is Rigel when compared to Vega?

- a. 2.44 times as far away.
- b. 12.7 times as far away.
- c. 31.1 times as far away.
- d. Rigel is actually closer than Vega.

Question 2: The calculated value of Polaris' luminosity is:

- a. 2495 times L_s
- b. 6040 times L_s
- c. 5566 times L_s
- d. 2612 times L_s