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
- □ b. 6040 times L
- □ c. 5566 times L
- □ d. 2612 times L