

## What You Should Know: “Standard Candles”!

- 1.) What is a standard candle?
- 2.) Give me three examples of a standard candle?
- 3.) How does a Type 1a supernova qualify as a standard candle?
- 4.) Why does the apparent brightness of a Cepheid vary?
- 5.) What is the most famous Cepheid? (Polaris, the pole star)
- 6.) What is the period range for Cepheids?
- 7.) What was needed to calibrate the “apparent brightness” versus “period of light variation” graph into an absolute brightness (luminosity)” graph?
- 8.) How luminous are cepheids? (500 to 30,000 times that of sun)