

Journal Prompt 9 – **JOURNALS DUE THURSDAY**

Jared made a mistake in the following solution. Find his error and explain to him what he should have done.

$$\text{Simplify: } 2\sqrt{490a^5}$$

$$= 2\sqrt{49a^2 \cdot 10a^3}$$

$$= 2 \cdot 49a^2 \sqrt{10a^3}$$

$$= 98a^2 \sqrt{10a^3}$$

Warm Up:

1.) Add: $5\sqrt{147} + 2\sqrt{243}$

2.) Multiply: $5\sqrt{2}(4\sqrt{6} + 3\sqrt{24})$

3.) Rationalize: $\frac{3}{2\sqrt{8}}$