Simplifying Radical Expressions Homework Day One

Estimate the value of each. DO NOT use a calculator.

1. $\sqrt{\dfrac{1}{25}}$

2. $\sqrt{39}$

3. $\sqrt{21}$

4. $\sqrt{50}$

5. $\sqrt{\sqrt{100}}$

6. $\sqrt[3]{9}$

7. $\left(\sqrt{5}\right)^3$

8. $\left(\sqrt{2}\right)^5$

9. Thinker Question: Do $\sqrt{4+5}$ and $\sqrt{4}+\sqrt{5}$ equal the same thing? Explain.