Adding, Subtracting, Multiplying Radicals

Simplify.

1) $-5\sqrt{3} - 3\sqrt{3}$

2) $2\sqrt{8} - \sqrt{8}$

3) $-4\sqrt{6} - \sqrt{6}$

4) $-3\sqrt{5} + 2\sqrt{5}$

5) $-3\sqrt{27} - 3\sqrt{27} - 3\sqrt{27}$

Simplify the Below 2 Problems by using the Factor Tree First, and then add/subtract them

7) $-2\sqrt{45} - 3\sqrt{20} - 2\sqrt{6}$

8) $-3\sqrt[6]{3} - 2\sqrt[6]{192} - \sqrt[6]{320}$

13) $\sqrt[3]{3} \cdot \sqrt[3]{-20}$

14) $\sqrt{5} \cdot \sqrt{3}$

15) $\sqrt{6} \cdot \sqrt{2}$

16) $\sqrt[3]{3} \cdot \sqrt[3]{9}$

17) $3\sqrt{3}(4 - 3\sqrt{5})$

18) $4\sqrt{15}(-3\sqrt{6} + 5)$

How did you feel while completing this homework?

1: I understood and could complete essentially no problems on this homework.	2: I could complete less than half of the problems on this homework.	3: I could complete most of the problems but got stuck on some of them as well.	4: I understood and could complete essentially all problems on this homework

If not at a four yet, what steps do you plan to take to further your understanding of this assignment? (See Mr. Scheuer before/after school, ask Mr. Scheuer for help during class, attend Intervention, get help from a tutor, get help from other resources, etc.)