

11-2 Practice***Operations with Radical Expressions*****Simplify each expression.**

1. $8\sqrt{30} - 4\sqrt{30}$

2. $2\sqrt{5} + 7\sqrt{5} - 5\sqrt{5}$

3. $7\sqrt{13x} - 14\sqrt{13x} + 2\sqrt{13x}$

4. $2\sqrt{45} + 4\sqrt{20}$

5. $\sqrt{40} - \sqrt{10} + \sqrt{90}$

6. $2\sqrt{32} + 3\sqrt{50} - 3\sqrt{18}$

7. $\sqrt{27} + \sqrt{18} + \sqrt{300}$

8. $5\sqrt{8} + 3\sqrt{20} - \sqrt{32}$

Show All Work On Looseleaf.

Note: Problems 9 to 12 are deleted.

Find each product.

13. $\sqrt{6}(\sqrt{10} + \sqrt{15})$

14. $\sqrt{5}(5\sqrt{2} - 4\sqrt{8})$

15. $2\sqrt{7}(3\sqrt{12} + 5\sqrt{8})$

16. $(5 - \sqrt{15})^2$

17. $(\sqrt{10} + \sqrt{6})(\sqrt{30} - \sqrt{18})$

18. $(\sqrt{8} + \sqrt{12})(\sqrt{48} + \sqrt{18})$

No Work = No Credit**Use Pencil !****Be Neat !****See Your Physician Before Starting An Exercise
Program ! Mr. C.**