

OPERATIONS WITH RADICALS

Name: _____

Simplify the expression.

1. $2\sqrt{3} + 4\sqrt{3}$

2. $6\sqrt{7} - 2\sqrt{7}$

3. $\sqrt{5} \cdot \sqrt{7}$

4. $\frac{\sqrt{2}}{9} + \frac{1}{9}$

5. $\frac{3}{4}\sqrt{5} + \frac{5}{4}\sqrt{5}$

6. $\frac{1}{4} + \frac{\sqrt{13}}{4}$

7. $\sqrt{\frac{5}{121}}$

8. $\sqrt{6} - 4\sqrt{6}$

9. $2\sqrt{25} + \sqrt{9}$

10. $1.5\sqrt{15} - 7.5\sqrt{15}$

11. $\sqrt{\frac{22}{c^2}}$

12. $\sqrt{144} - 3\sqrt{4}$

13. $\sqrt{3} \cdot \sqrt{2}$

14. $7\sqrt{11} + 3\sqrt{11}$

15. $\sqrt{\frac{17}{49}}$