

Name _____



Date _____

Radicals

Simplify.

1. $5\sqrt{15} + \sqrt{15}$	2. $5\sqrt{10} - 6\sqrt{10}$
3. $9\sqrt{6} - 6\sqrt{216}$	4. $8\sqrt{32} + \frac{1}{2}\sqrt{72}$
5. $\frac{4}{6}\sqrt{32} - \frac{3}{6}\sqrt{392}$	6. $9\sqrt{45} + 9\sqrt{180}$
7. $6\sqrt{16} + 9$	8. $2\sqrt{7} + 6\sqrt{7}$
9. $\frac{1}{4}\sqrt{648} + \frac{1}{6}\sqrt{8}$	10. $6\sqrt{150} - 6\sqrt{726}$
11. $\frac{1}{4}\sqrt{605} - \frac{3}{4}\sqrt{320}$	12. $9\sqrt{20} - 2\sqrt{20}$
13. $\frac{1}{2}\sqrt{242} + \frac{3}{5}\sqrt{32}$	14. $5\sqrt{11} + 7\sqrt{11}$
15. $9\sqrt{192} - 4\sqrt{300}$	16. $\frac{1}{3}\sqrt{729} - \frac{3}{4}\sqrt{441}$
17. $4\sqrt{720} + 5\sqrt{180}$	18. $8\sqrt{2} - 2\sqrt{2}$