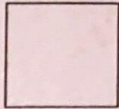


Name: _____

Unit 11: Radicals



Date: _____ Bell: _____

Homework 6: Dividing Radicals (Day 2)

**** This is a 2-page document! ****

Directions: Find each quotient. Make sure your final answer is rationalized.

1. $\frac{\sqrt{2} + \sqrt{5}}{\sqrt{5}}$

2. $\frac{3 + \sqrt{3}}{\sqrt{12}}$

3. $\frac{2 - 3\sqrt{2}}{\sqrt{18}}$

4. $\frac{4 + \sqrt{5}}{\sqrt{20}}$

5. $\frac{4 + 6\sqrt{2}}{3\sqrt{6}}$

6. $\frac{2\sqrt{3} - 2}{4\sqrt{8}}$

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

8. $\frac{4}{\sqrt{3} - \sqrt{2}}$

9. $\frac{\sqrt{6}}{8+\sqrt{10}}$

10. $\frac{8}{3\sqrt{5}+5}$

11. $\frac{\sqrt{5}-3}{2+\sqrt{5}}$

12. $\frac{1+\sqrt{7}}{4+2\sqrt{7}}$

13. $\frac{4+\sqrt{2}}{3-\sqrt{2}}$

14. $\frac{5+5\sqrt{2}}{3\sqrt{2}+5}$

15. The area of a parallelogram is $(32+\sqrt{2})$ square feet. If the length of the base is $(4+\sqrt{2})$ feet, find the height of the parallelogram in simplest radical form.