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. $\dfrac{\sqrt{6}}{8+\sqrt{10}}$

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

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

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

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

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

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.