

Name: \_\_\_\_\_

Unit 11: Radicals

Date: \_\_\_\_\_ Bell: \_\_\_\_\_

Homework 5: Dividing Radicals (Day 1)

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

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

1.  $\frac{\sqrt{8}}{\sqrt{98}}$

2.  $\frac{\sqrt{6}}{\sqrt{50}}$

3.  $\frac{7\sqrt{60}}{\sqrt{3}}$

4.  $\frac{8\sqrt{5}}{2\sqrt{36}}$

5.  $\frac{5\sqrt{3}}{10\sqrt{27}}$

6.  $\frac{8\sqrt{14}}{12\sqrt{18}}$

7.  $\frac{6\sqrt{48}}{4\sqrt{6}}$

8.  $\frac{16\sqrt{56}}{2\sqrt{2}}$

9.  $\frac{2\sqrt{8}}{\sqrt{36}}$

10.  $\frac{2\sqrt{15}}{6\sqrt{12}}$

11.  $\frac{7\sqrt{15}}{5\sqrt{48}}$

12.  $\frac{14\sqrt{30}}{4\sqrt{54}}$



13. $\sqrt{\frac{25}{3}}$	14. $\sqrt{\frac{27}{2}}$
15. $\frac{1}{\sqrt{6}}$	16. $\frac{\sqrt{5}}{\sqrt{8}}$
17. $\frac{4}{\sqrt{10}}$	18. $\frac{\sqrt{20}}{\sqrt{28}}$
19. $\frac{5}{6\sqrt{2}}$	20. $\frac{2\sqrt{4}}{5\sqrt{6}}$
21. $\frac{4}{6\sqrt{7}}$	22. $\frac{1}{4\sqrt{2}}$
23. $\frac{3\sqrt{2}}{2\sqrt{3}}$	24. $\frac{4\sqrt{28}}{8\sqrt{12}}$