Division of Rational Expressions

Name Key

Date _____ Period _____

Simplify.

1. $\sqrt{\frac{48}{3}}$ 4 4

2. $\sqrt{\frac{98}{2}}$ 7

3. $\sqrt{\frac{405}{5}}$ 9

4. $\sqrt{\frac{128}{2}}$ 8

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

6. $\sqrt{\frac{2}{3}}$ $\frac{\sqrt{6}}{3}$

7. $\sqrt{\frac{4}{5}}$ $\frac{2\sqrt{5}}{5}$

8. $\sqrt{\frac{9}{10}}$ $\frac{3\sqrt{10}}{10}$

9. $\sqrt{\frac{16}{3}}$ $\frac{4\sqrt{3}}{3}$

10. $\sqrt{\frac{64}{7}}$ $\frac{8\sqrt{7}}{7}$

11. $\sqrt{\frac{49}{2}}$ $\frac{7\sqrt{2}}{2}$

12. $\sqrt{\frac{81}{5}}$ $\frac{9\sqrt{5}}{5}$

13. $\frac{\sqrt{15}}{\sqrt{5}}$ $\sqrt{3}$

14. $\frac{\sqrt{26}}{\sqrt{2}}$ $\sqrt{13}$

15. $\frac{\sqrt{30}}{\sqrt{6}}$ $\sqrt{5}$

16. $\frac{\sqrt{42}}{\sqrt{7}}$ $\sqrt{6}$

17. $\frac{\sqrt{15}}{\sqrt{7}}$ $\frac{\sqrt{105}}{7}$

18. $\frac{\sqrt{21}}{\sqrt{5}}$ $\frac{\sqrt{105}}{5}$

19. $\frac{\sqrt{11}}{\sqrt{2}}$ $\frac{\sqrt{22}}{2}$

20. $\frac{\sqrt{17}}{\sqrt{3}}$ $\frac{\sqrt{51}}{3}$

21. $\frac{\sqrt{28}}{\sqrt{6}}$ $\frac{\sqrt{42}}{3}$

22. $\frac{\sqrt{18}}{\sqrt{10}}$ $\frac{3\sqrt{5}}{5}$

23. $\frac{\sqrt{48}}{\sqrt{14}}$ $\frac{2\sqrt{42}}{7}$

24. $\frac{\sqrt{75}}{\sqrt{21}}$ $\frac{5\sqrt{7}}{7}$

25. $\frac{\sqrt{98}}{\sqrt{22}}$ $\frac{7\sqrt{11}}{11}$

26. $\frac{\sqrt{162}}{\sqrt{34}}$ $\frac{9\sqrt{17}}{17}$

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