Name:_____   Period:_____Date:_____

Rationalizing Radical Expressions

ie 1: $\frac{5}{\sqrt{3}} \cdot \frac{\sqrt{3}}{\sqrt{3}} = \frac{5\sqrt{3}}{3}$ ie 2: $\frac{6}{\sqrt{2}} \cdot \frac{\sqrt{2}}{\sqrt{2}} = \frac{6\sqrt{2}}{2} = 3\sqrt{2}$

1. $\frac{8}{\sqrt{5}} \cdot \frac{\sqrt{}}{\sqrt{}} = \frac{8\sqrt{}}{}$

2. $\frac{10}{\sqrt{7}} \cdot \frac{\sqrt{}}{\sqrt{}} = \frac{10\sqrt{}}{}$

3. $\frac{11}{\sqrt{8}} = \frac{11}{\underline{}\sqrt{}} \cdot \frac{\sqrt{}}{\sqrt{}} = \frac{11\sqrt{}}{}$

4. $\frac{12}{\sqrt{6}} \cdot \frac{\sqrt{}}{\sqrt{}} = \frac{12\sqrt{}}{} = \underline{}$

5. $\frac{8}{\sqrt{2}} \cdot \frac{\sqrt{}}{\sqrt{}} = \frac{8\sqrt{}}{} = \underline{}$

6. $\frac{20}{\sqrt{5}} \cdot \frac{\sqrt{}}{\sqrt{}} = \frac{20\sqrt{}}{} = \underline{}$

7. $\frac{2}{\sqrt{3}} = \underline{}$

8. $\frac{10}{\sqrt{2}} = \underline{}$

9. $\frac{17}{\sqrt{6}} = \underline{}$

10. $\frac{9}{\sqrt{3}} = \underline{}$

11. $\frac{21}{\sqrt{18}} = \underline{}$

12. $\frac{15}{\sqrt{27}} = \underline{}$

13. $\frac{12}{\sqrt{48}} = \underline{}$

14. $\frac{6}{4\sqrt{12}} = \underline{}$