Name:_____   **Basic Skills**

Date:_____   **Rationalize the Denominator**

Use the square root properties to simplify the radicals and rationalize the denominator. Show <u>all</u> work. Write answer in radical form.

1. $\sqrt{\dfrac{11}{6}}$

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

3. $\sqrt{\dfrac{25}{3}}$

4. $\dfrac{6\sqrt{2}}{\sqrt{3}}$

5. $\dfrac{5}{\sqrt{8}}$

6. $\dfrac{4}{\sqrt{6}}$

7. $\dfrac{5}{\sqrt{10}}$

8. $\dfrac{5}{3\sqrt{7}}$

9. $\sqrt{\dfrac{7}{12}}$

10. $\dfrac{1}{3\sqrt{2}}$

11. $\dfrac{4}{\sqrt{2}}$

12. $\dfrac{25}{2\sqrt{3}}$