Divide Radicals Homework   **Algebra**

Directions: Simplify completely!

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

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

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

4. $\sqrt{\dfrac{8}{9}}$

5. $\dfrac{\sqrt{7}}{2\sqrt{3}}$

6. $\dfrac{4}{\sqrt{10}}$

7. $\dfrac{3\sqrt{6}}{\sqrt{7}}$

8. $\sqrt{\dfrac{15}{36}}$

9. $\sqrt{\dfrac{5}{2}} * \sqrt{\dfrac{5}{8}}$

10. $\sqrt{\dfrac{11}{32}}$

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

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

Directions: Solve each problem.

13) A rectangle has an area of 120 units^2. If one side is $5\sqrt{2}$ units, what is the measure of the remaining side length?

14) What would the perimeter of the rectangle in question #13 be?

15) Solve for x: $5\sqrt{5} * x = 2\sqrt{6}$