



Name: _____

Date: _____

Period: _____

Practice Assignment

Simplify these radicals completely. Multiply first if necessary. Rationalize the denominator.

1. $\sqrt{125}$

2. $\sqrt{40}$

3. $\sqrt{12}$

4. $\sqrt{98}$

5. $\sqrt{28}$

6. $\sqrt{54}$

7. $\sqrt{6} \cdot \sqrt{15}$

8. $\sqrt{3} \cdot \sqrt{12}$

9. $\sqrt{8} \cdot \sqrt{6}$

10. $\sqrt{5} \cdot \sqrt{10}$

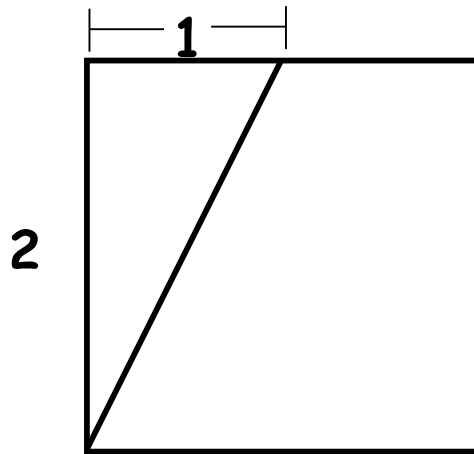
11. $\frac{12}{\sqrt{3}}$

12. $\frac{20}{\sqrt{10}}$

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

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

Five Square Puzzle



Object: Make a large square out of the pieces of the five small squares

Answer the following questions to help you solve the puzzle;

1. What is the area of the small square?
2. What is the total area of the five squares?
3. What will the area of the final, large square be?
4. What will the length of one side of the final square be?
5. What is the length of the hypotenuse of the triangle cut from the s