

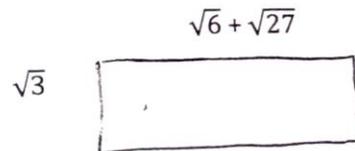
Radical Review:

Name: \_\_\_\_\_

Simplify:

1.  $\sqrt{300x^3y^7z}$     2.  $8\sqrt{80}$     3.  $\sqrt{3600}$     4.  $\sqrt{18} * \sqrt{18}$     5.  $2\sqrt{4} * 3\sqrt{6}$

6. Find the perimeter and area of the given rectangle.



Perimeter: \_\_\_\_\_

Area: \_\_\_\_\_

7. Between what two consecutive numbers does  $\sqrt{51}$  lie?

8. Kayla and Corey rode their bike  $3\sqrt{108}$  miles on the first day and  $2\sqrt{27}$  miles the second day? What is the total distance?

9. The sum of  $\sqrt{63} + 5\sqrt{28}$

10. The sum of  $7\sqrt{98}$  and  $5\sqrt{32}$

11. The expression  $\sqrt{18} - \sqrt{50}$  is equivalent to:

12.  $18\sqrt{7} - 33\sqrt{7}$

13.  $3\sqrt{24} - 5\sqrt{24}$

NO CALCULATOR ALLOWED:

1.  $\sqrt{64}$

2.  $\sqrt{75}$

3.  $\sqrt{x^{18}}$

4.  $\sqrt{x^{33}}$

5.  $\sqrt{81x^2}$

6.  $\sqrt{40x^7}$