## Math 7 Honors

Date\_\_\_\_

Radicals Study Guide

Directions: Show all your work. Check your answers on the class website: <u>www.burmeister.weebly.com</u>

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Perfect	1. Simplify $\sqrt{125} + \sqrt{5}$	2. Simplify $\sqrt{72} - 3\sqrt{200}$
Cauanaa		
Squares		
	40	300
	3. Simplify $\sqrt{\frac{40}{25}}$	4. Simplify $\sqrt{\frac{300}{36}}$
	$\sqrt{25}$	ν 36
	27 12	6. Determine the perimeter of a square with a
	5. Simplify $\sqrt{\frac{27}{4}} - \sqrt{\frac{12}{64}}$	side length of $7\sqrt{13}$ .
	$\sqrt{4}$ $\sqrt{64}$	
	7. Given $X = -5\sqrt{28}$ and $Y = \sqrt{175}$ , simplify the following expressions.	
	X + Y	X - Y

