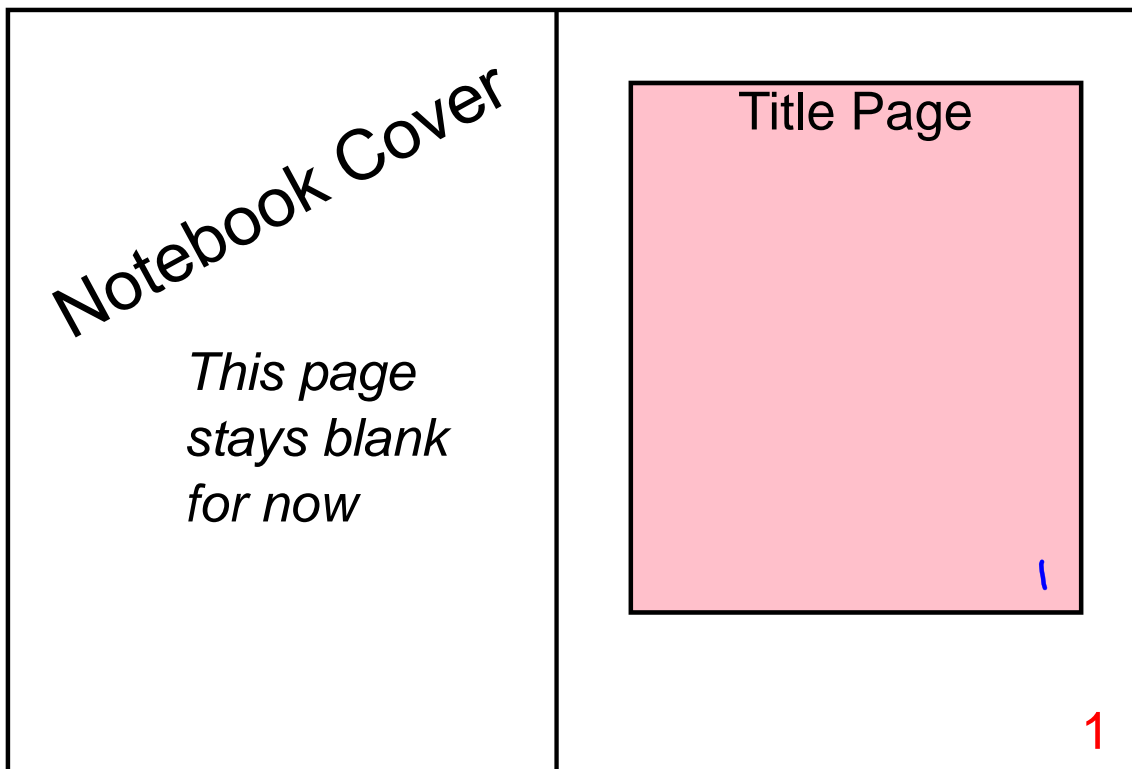


# WARM-UP

- ... Get out your NEW spiral for this class ONLY -- If you want to buy one from me, the cost is \$1.
- ... Complete Title Page (handout)



video

# Algebra 2

## Interactive Notebook

Why Math Video


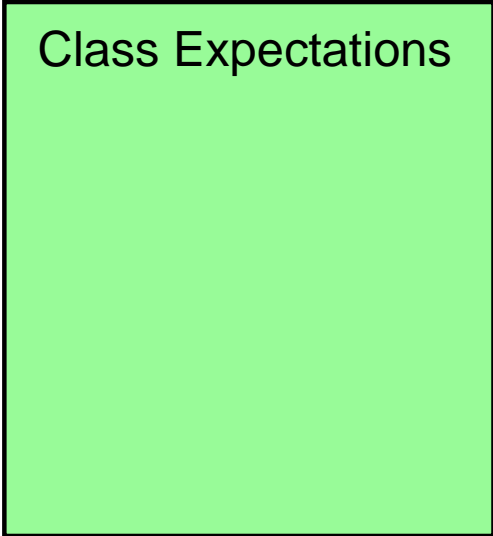
<p data-bbox="350 1291 766 1339">Course Description</p>  <p data-bbox="293 1921 321 1963">2</p>	<p data-bbox="911 1297 1326 1346">Class Expectations</p>  <p data-bbox="1365 1927 1393 1969">3</p>
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Table of Contents:			Table of Contents:		
Page(s)	Topic	Book Sec.	Page(s)	Topic	Book Sec.

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Homework Log:		Homework Log:	
Date	Homework	Date	Homework

6

7

## White Board Practice

- \* Turn in glue stick
- \* Get a white board, marker and eraser
- \* Get ready to simplify radicals

$$\sqrt{150}$$
$$5\sqrt{6}$$

$$\sqrt{80}$$
$$4\sqrt{5}$$

$$4\sqrt{5}$$

$$\sqrt{\frac{1}{9}} = \frac{\sqrt{1}}{\sqrt{9}} = \frac{1}{3}$$


$$\frac{1}{3}$$

$$5\sqrt{3} \cdot 7\sqrt{10}$$

$35\sqrt{30}$

5      10  
      2   5

$$35\sqrt{30}$$

$$\sqrt{\frac{3}{16}} = \frac{\sqrt{3}}{\sqrt{16}} = \frac{\sqrt{3}}{4}$$


A handwritten prime factorization tree for the number 16. The number 16 is at the top, with an arrow pointing down to 8. From 8, two arrows point down to two 2's, which are circled. From the 8, another arrow points down to 4. From 4, two arrows point down to two 2's, which are also circled.

$$\frac{\sqrt{3}}{4}$$

$$\sqrt{300}$$



$$10\sqrt{3}$$

$$-2\sqrt{8} \cdot 3\sqrt{2}$$

$$-6 \cdot \sqrt{16}$$

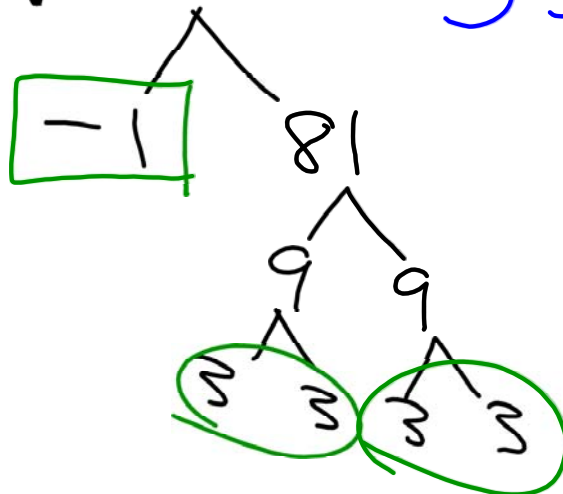
$$-6 \cdot 4$$

-24

$$5\sqrt{-81}$$

$$\sqrt{-1} = i$$

$$5 \cdot 3 \cdot 3i$$



$45i$ 

$$\sqrt{\frac{64}{144}} = \frac{\sqrt{64}}{\sqrt{144}} = \frac{8}{12}$$

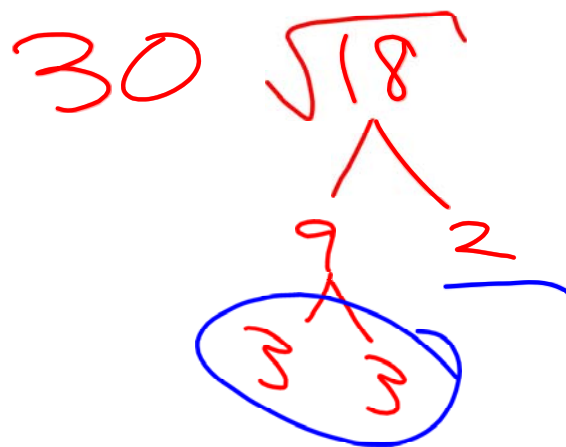
$$\frac{2}{3}$$

$$4\sqrt{3} \cdot 6\sqrt{5}$$

$$24\sqrt{15}$$

$$24\sqrt{15}$$

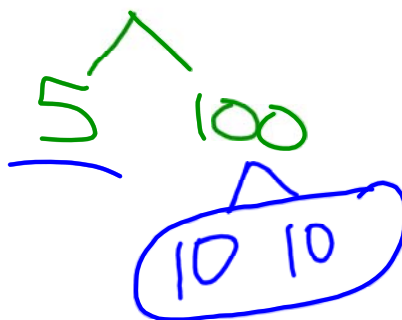
$$10\sqrt{3} \cdot 3\sqrt{6}$$



$$90\sqrt{2}$$

$$10\sqrt{500}$$

$$100\sqrt{5}$$



$$\sqrt{210}$$