

Topic 7 | Lesson 7-6 | Factoring  $ax^2 + bx + c$ 

Pacing: 2 Days / Block: 1 Day

LESSON OBJECTIVE(S)	ESSENTIAL UNDERSTANDING
<p>Students will be able to:</p> <p>Identify the common factor of the coefficients in the terms of a trinomial expression when <math>a \neq 1</math>.</p> <p>Write a quadratic trinomial as a product of two binomial factors.</p>	<p>A quadratic trinomial in the form <math>ax^2 + bx + c</math> when <math>a \neq 1</math> can either be factored by grouping or factored by substitution.</p>
NEW VOCABULARY	
STUDENT EDITION	STUDENT COMPANION
Pages 295-300 or at SavvasRealize.com	Pages 159-162 or at SavvasRealize.com

## Teaching the Lesson

STEP 1: EXPLORE	
Explore & Reason	Student Edition & Student Companion SavvasRealize.com
STEP 2: UNDERSTAND & APPLY	
<b>Example 1:</b> Factor out a Common Factor	Student Edition & Student Companion SavvasRealize.com
<b>Example 2:</b> Understand Factoring by Grouping Support for Advanced Students	Student Edition & Student Companion SavvasRealize.com
<b>Example 3:</b> Factor a Trinomial Using Substitution Support for Struggling Students and English Language Learners	Student Edition & Student Companion SavvasRealize.com
<b>Concept Summary</b> Do You UNDERSTAND? and Do You KNOW HOW?	Student Edition & Student Companion SavvasRealize.com

**STEP 3: PRACTICE AND PROBLEM SOLVING****Practice and Problem Solving**

Student Edition  
SavvasRealize.com

**STEP 4: ASSESS & DIFFERENTIATE****Lesson Quiz**

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**Differentiated Resources Library**

- Reteach to Build Understanding
- Mathematical Literacy and Vocabulary
- Additional Practice
- Enrichment
- Video Tutorials

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