

Factoring Polynomials – A Guided Review

OBJECTIVES

- ▶ This is where I put my first objective.
- ▶ This is where I put my second objective.
- ▶ This is where I put my third objective.
- ▶ This is where I put my fourth objective.

ADDITIONAL RESOURCES



Documents



Links



Videos



Badges

LESSONS

This is my lesson title	This is my lesson title	This is my lesson title	This is my lesson title	This is my lesson title
ONE	TWO	THREE	FOUR	FIVE



Welcome to my prototype of my course. This is the dashboard that will house my objectives and my navigation tools. I am hoping to have five lessons/modules for factoring polynomials for my Algebra 1 students. My students will have already learned this content in class, and this course will serve as a self paced review for students to complete outside of class time. I will be using Canvas as my LMS, and am hoping to use some gaming elements such as a leaderboard and badges to motivate my students to complete this course, as it is additional to their coursework.

Greatest Common Factor-Task



- Task
 - Instruction
 - Practice
 - Assessment
- Here will be the challenging task to introduce lesson
 - Navigation bar on left will take student to instruction, practice, and assessment for this lesson
 - Home icon takes student back to dashboard



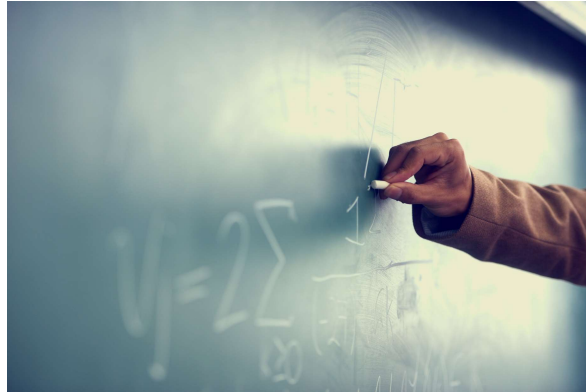
LESSON ONE

Person icon will be more interactive. I plan on using my bitmoji with a speaking bubble or images related to task content.

Greatest Common Factor-Instruction



- Task
 - Instruction
 - Practice
 - Assessment
- Here will be the instruction piece
 - Likely interactive video w/notes such as EdPuzzle



LESSON ONE

Video will have instruction with notes to take, and be interactive with questions for students to answer based on content while watching. The better they do on these videos, the more points they will earn toward their badges. My hope is to have some sort of leaderboard. (I am currently researching these badge and leaderboard apps with Canvas)

✕

Greatest Common Factor-Practice

- Task
- Instruction
- Practice
- Assessment

• This page will be linked to a multiple choice practice w/ feedback



Factor:
 $2n^2 \cdot 8n^3$

☐ $2n^2(n-4n^2)$


☐ $2n^3(10-8n^2)$

☐ $2n^2(1-4n^2)$

☐ $3n(1-4n)$

Correct!



Incorrect. What happens to exponents when we multiply?

LESSON ONE

Each practice question will come with feedback to encourage mastery of content. Also, to increase motivation, the better the student does, the more points they will receive toward their badges.

Greatest Common Factor-Assessment



- Task
- Instruction
- Practice
- Assessment

- This page will be linked to a multiple choice quiz that they will only be able to take once
- Questions will be similar to what they saw in practice, but no feedback until quiz is complete to prepare for final assessment

Factor:

$$18a^2-15a$$

☐ $15a(3a-1)$

☐ $3a(6a-1)$

☐ $3(6a-5)$

☐ $3a(6a-5)$



LESSON ONE

Factor Trinomials When $A=1$



- Task
- Instruction
- Practice
- Assessment



LESSON TWO

Factor Trinomials When $A \neq 1$



- Task
- Instruction
- Practice
- Assessment



LESSON THREE

Factoring Special Products



- Task
- Instruction
- Practice
- Assessment



LESSON FOUR

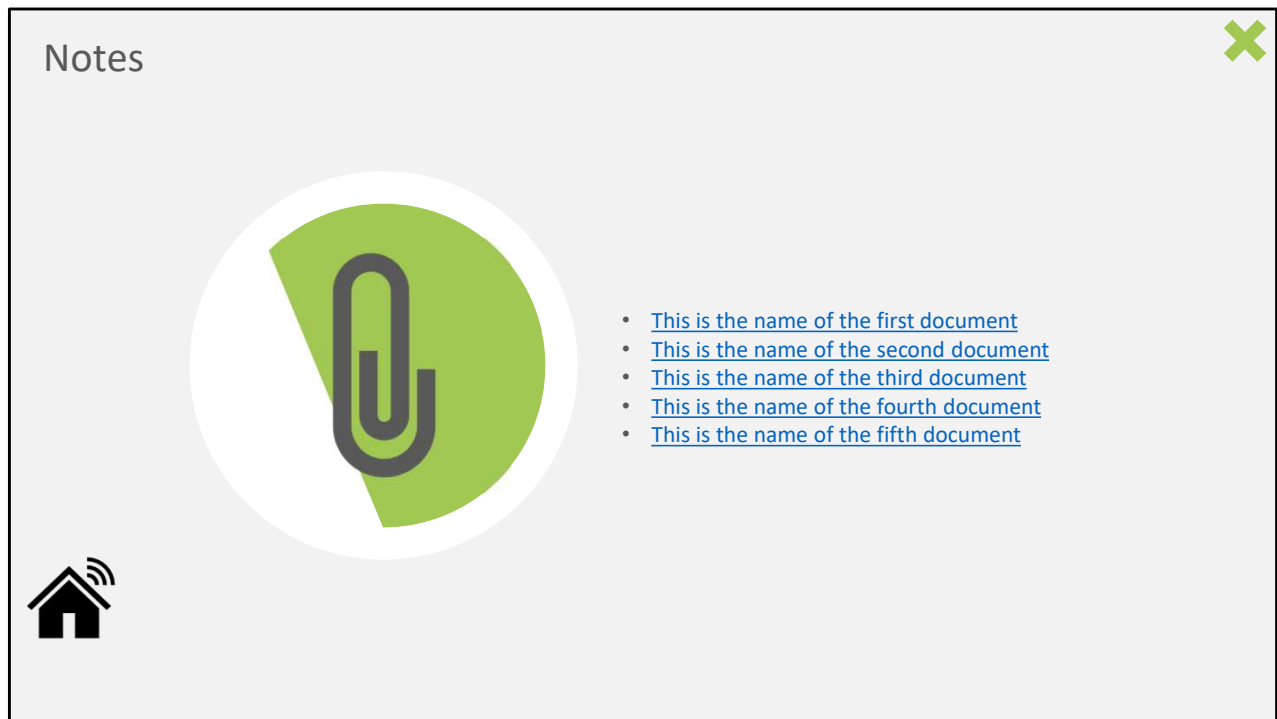
Putting It All Together



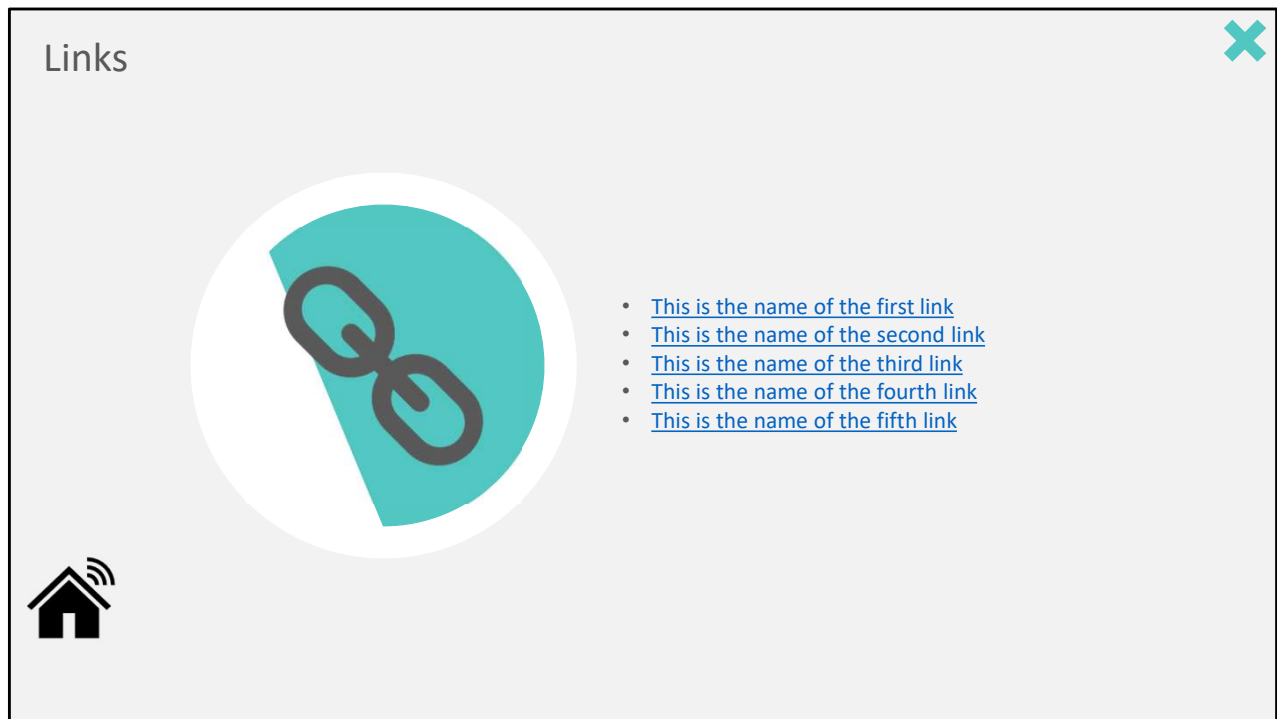
- Task
- Instruction
- Practice
- Assessment



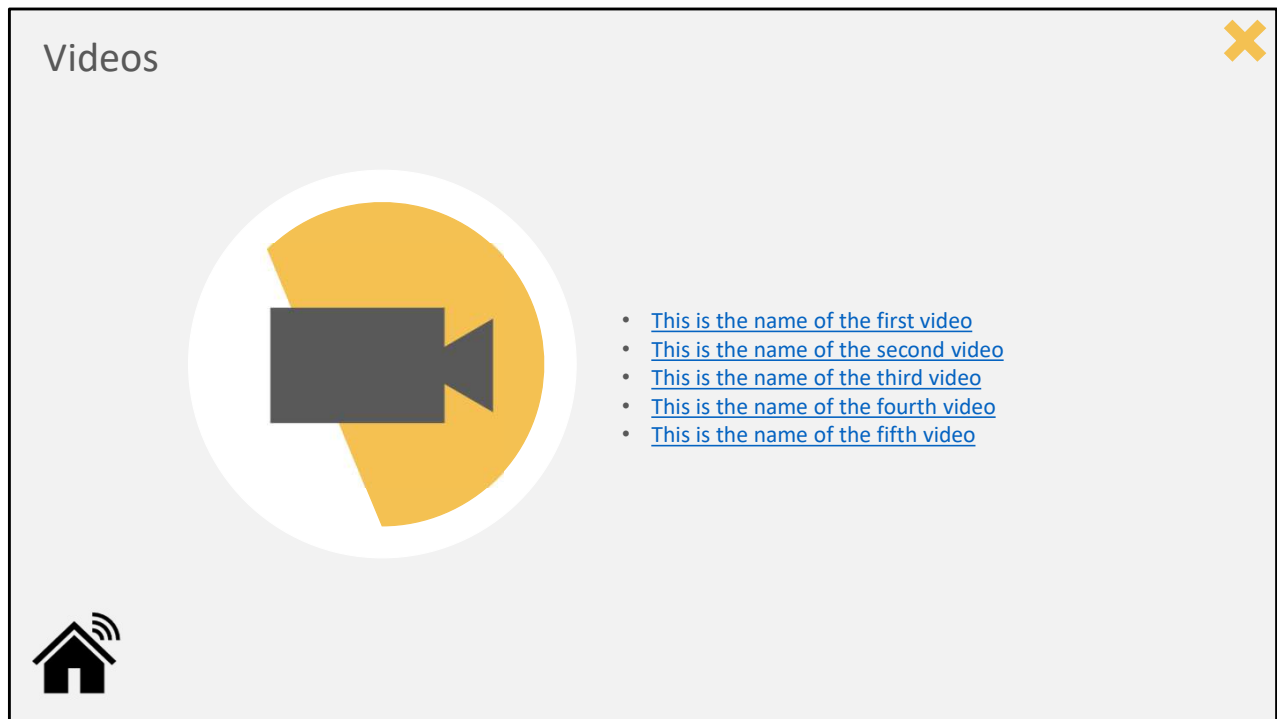
LESSON FIVE



Any important note documents used in class will be housed here for reference throughout the review course.



Any links to websites will be housed here in one place. I will organize them by lesson.



Any instructional videos used will be housed here in one place so students have one place to go back and reference. I will organize by lesson.