Factoring Quadratics
When given a quadratic equation with two terms, students will factor using the difference of squares method correctly 90% of the time.
Students will watch the class video lesson and do the practice problems.
Students will create four examples. Then using Skype, they will teach a classmate, assuming they have never done it before. Each student must submit the 4 problems they created and the 4 problems they completed.
When given a quadratic equation with two terms, students will factor using the greatest common factor method correctly 90% of the time.
Students will watch the Khan Academy video and do the practice problems.
Students will teach a brief lesson (three examples) using Audacity. Each student will then listen to the recordings of two other classmates, doing the problems given. Students will then provide feedback.
When given a quadratic equation with three terms and "a" equals 1, students will factor correctly 90% of the time.
Students will participate in the classroom lesson and discussion in order to learn this method. They will then practice in small groups.
In small groups, students will create a jeopardy game using JeapardyLab. Students must provide accurate questions and answers.
When given a quadratic equation with three terms and "a" doesn't equal 1, students will factor correctly 90% of the time.
Students will participate in the classroom lesson and discussion in order to learn this method. They will then practice in small groups.
Students will create a video to teach classmates how to factor trinomials when "a" does not equal 1. Watch at least two classmate's videos and provide feedback.