Independent Practice: Combining like terms and the Distributive property

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Time started: \_\_\_\_\_\_\_\_\_\_\_\_\_ Time ended\_\_\_\_\_\_\_\_\_\_\_\_

Directions: You will use the videos and the practice problems that follow to show your mastery of the content.

The first video you will watch is: <https://www.khanacademy.org/math/algebra/introduction-to-algebra/manipulating-expressions/v/combining-like-terms-1> (How to combine like terms). You will answer the questions on the work sheet as you watch the video, copy down the sample problems and show your solutions. Be sure to check your answers.

The second video you will watch: <https://www.khanacademy.org/math/algebra/introduction-to-algebra/manipulating-expressions/v/combining-like-terms-3> (Combining like terms but more complicated). You will answer the questions on the work sheet as you watch the video, copy down the sample problems and show your solutions. Be sure to check your answers.

 Circle the coefficient and put a square around the term:

1. 6a 2. X 3. $a^{x}$ +3a

4. Show the expansion of the expression: 8x+4x

 4a). write the expression as a combination of like terms: \_\_\_\_\_\_\_\_\_\_\_\_\_\_

5. Show the expansion of the expression: 6a-8a

 5a). write the expression as a combination of like terms:\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Now do the “practice this concept” (this is a green circle at the right)

Directions: write down each problem and show how you arrived at your solution (try two)

1.

2.

Now watch the second video and follow these directions….

Write down the sample problem that “Khan” asks you to simplify.

Show how “Khan”demonstrated the combining of the like terms:

Use the space below to write an explanation of what the following expression means: 5 - 2 =\_\_\_\_\_\_\_\_\_\_

What is the solution to this expression?

Finish watching the video.

Now do the “practice this concept” (this is a green circle at the right)

Directions: write down each problem and show how you arrived at your solution (try two)

1.

2.

3.