

Login to Canvas. In the "Unit 2 - Factoring" Module, click on "Intro to Factoring."

**1) Click on and watch Video 1:**

Fill out the answer as shown in the video:

$$x^2 + 5x + 6 = ( \quad ) ( \quad )$$

Explain in your own words how to factor  $x^2 + 5x + 6$ .**2) Click on and watch Video 2:**

Fill out the answer as shown in the video:

$$x^2 + 2x - 15 = ( \quad ) ( \quad )$$

Explain in your own words how to factor  $x^2 + 2x - 15$ .**3) Using the same method as shown in videos 1 and 2, factor these trinomials:**

a.  $x^2 + 4x + 3 = ( \quad ) ( \quad )$       b.  $x^2 + 8x + 7 = ( \quad ) ( \quad )$

c.  $x^2 + -8x + 7 = ( \quad ) ( \quad )$       d.  $x^2 - x - 12 = ( \quad ) ( \quad )$

**4) Click on and watch Video 3.** Check your answers in question 3a-3d as the video progresses. Make any corrections necessary. Stop the video when it reaches 7 minutes and 15 seconds.**5) Once you factor a trinomial into the product of two binomials, how can you check your answer to be sure you obtained the correct binomials??****6) Copy your solution to problem 3d in the parentheses below. Multiply the binomials to verify you obtain the original trinomial.**

$$( \quad ) ( \quad ) =$$

**7) What questions do you still have about factoring trinomials?**