**Unit 5 Introduction: Solving Proportions Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Date\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Block\_\_\_\_\_**

* Go to the following link: <http://www.youtube.com/watch?v=VgSl_YzTXlU>
* Follow the teacher and do example 1 with him in the video.
* Do the rest of the problems below to practice solving proportions.

**Find the value of x in each proportion. Show all work and circle your final answer.**

1.  **7.** 
2.  **8.** x : 4 = 7: 3
3.  **9.** 
4.  **10.** 
5.  **11.** 
6.  **12.** 

**Review of Algebra I: Solving Equations**

* Go to the following link: http://www.youtube.com/watch?v=JIDRfQlTm48
* Follow the teacher and do the examples 1-4 with her in the video
* Do the rest of the problems below to practice solving equations.

**Find the value of the variable in each equation. Show all work and circle your final answer.**

1. 8x + 5 = 2x – 7 **7.** 4m – 4 = 4m
2. 5s + 60 = 10s **8.** 6 = 1 – 2n + 5
3. 5(2x + 1) = 10x **9.** 12 = -4(-6x – 3)
4. 6x + 2 = 2(3x + 1) **10.** –(7 – 4x) = 9
5. -20 = -4x – 6x **11.** 5n + 34 = -2(1-7n)
6. 8x – 2 = -9 + 7x **12.** 2(4x – 3) – 8 = 4 + 2x