Name:

Date:

Lesson 5.2.4 Homework

* **5-57.**Determine the coordinates of each point of intersection without graphing.
	1. y = −x + 8

y= x – 2

* 1. y = −3x

y = −4x + 2

* **5-58.** Change each equation below into y = mx + b form.
	1. y − 4x = −3
	2. 3y − 3x = 9
	3. 3x + 2y = 12
	4. 2(x − 3) + 3y = 0

**5-59.** Mailboxes Plus sends packages overnight for $5 plus $0.25 per ounce.  United Packages charges $2 plus $0.35 per ounce.  Mr. Molinari noticed that his package would cost the same to mail using either service.  How much does his package weigh?

**5-60.**Solve for  x.

* 1. 
	2. 
	3. How are these problems the same and how are they different?

**5-61.**This problem is a checkpoint for solving equations.  It will be referred to as Checkpoint 5.

Solve each equation.

* 1. 3x + 7 = −x – 1
	2. 1 − 2x + 5 = 4x − 3
	3. −2x − 6 = 2 − 4x− (x − 1)
	4. 3x− 4 + 1 = −2x − 5 + 5x