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. http://textbooks.cpm.org/images/cc3/chap05/CC3_5-60a.gif
  2. http://textbooks.cpm.org/images/cc3/chap05/CC3_5-60b.gif
  3. How are these problems the same and how are they different?

http://textbooks.cpm.org/images/cc3/chap05/cc3_chap05_ls_5.2.4_5-61.png**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