Name: _____ Date: _____

Lesson 2-3 Solving Equations (Two-Step) Algebra 1 CC

Warm Up:

1. Which are equivalent to *z + (z + 6)*? [Select all that apply.]
   a. (z + z) + (z + 6)
   b. (z + 6) + 6
   c. None of the above.

2. Which are equivalent to *3(4h+2k)*? [Select all that apply.]
   a. 3(2k + 4h)
   b. 3(4k + 2h)
   c. None of the above.

Solving linear equations

- Solve by applying _____ operations to _____ the variable.
- Undo _____ or _____ and THEN _____ or _____.

Guided Example: Solve for x.

1. 5x + 8 = 23

2. $\frac{7}{3}x - 6 = 8$

Practice: Solve each of the following "two-step" linear equations by performing inverse operations. Keep in mind- your goal is to isolate the variable. Show all steps neatly.

(a) $\frac{x}{3} - 7 = -2$ (b) $4x + 3 = -17$ (c) $5x + 12 = 87$

(d) $\frac{x+7}{3} = 2$ (e) $-6(x - 1) = 18$ (f) $\frac{3}{4}x - 5 = 4$