

Name

# Write Linear Equations in

Alg I

## Standard Form

I can write equations in standard form.

Ch. 4 Quiz

### Example 4:

5)  $-4x + By = 7$   $(-1, 1)$       $\boxed{-4x + 3y = 7}$

$$-4(-1) + B(1) = 7$$

$$4 + B = 7$$

$$\begin{array}{r} -4 \quad -4 \\ \hline B = 3 \end{array}$$

6)  $Ax + y = -3$   $(2, 11)$       $\boxed{-7x + y = -3}$

$$A(2) + 11 = -3$$

$$\begin{array}{r} -11 \quad -11 \\ \hline 2A = -14 \\ \hline 2 \quad 2 \\ A = -7 \end{array}$$

Ch. 3/4 Test

### Example 5:

7)  $144 - 8 = 136$  (New Total people on Trip)

$$\boxed{8s + 12l = 136}$$

$8(17) + 12(0) = 136$      17 small / 0 large  
 $136 = 136 \checkmark$

$8(14) + 12(2) = 136$      14 small / 2 large  
 $112 + 24 = 136 \checkmark$

$8(11) + 12(4) = 136$      11 small / 4 large  
 $88 + 48 = 136 \checkmark$

$8(8) + 12(6) = 136$      8 small / 6 large  
 $64 + 72 = 136 \checkmark$

(Complete Skills practice, pg. 154, #