**Algebra**

**Unit 2 Line Master 2a**

Reading and Solving Equations

1. Fill in the blanks to describe the meaning of each equation   
 in words.

a) 5*x* + (–7) = 8

When you multiply a number by \_\_\_\_\_\_\_ and add \_\_\_\_\_\_\_,   
 the result is equal to \_\_\_\_\_\_.

b) 8.5*x* + (–48) = 54

When you multiply a number by \_\_\_\_\_\_ and add \_\_\_\_\_\_\_,   
 the result is equal to \_\_\_\_\_\_\_\_ .

c) 20.8 – 6.8 = 7*x* – 3.5*x*

When you take away \_\_\_\_\_\_ from \_\_\_\_\_\_\_, the result is equal   
 to the result when you subtract \_\_\_\_\_\_\_ times a number from   
 \_\_\_\_\_\_\_ times the same number.

d) 3*x* – 6 = 10 – *x*

When you mutliply a number by \_\_\_\_\_\_ and subtract \_\_\_\_\_\_\_,   
 the result is equal to the result when you subtract the same   
 number from \_\_\_\_\_\_\_.

**Algebra**

**Unit 2 Line Master 2b**

Reading and Solving Equations (cont’d)

e) + 4.5 = 3

When you divide a number by \_\_\_\_\_\_\_ and add \_\_\_\_\_\_\_,   
 the result is equal to \_\_\_\_\_\_ .

f) 96*x* – 250 = 230

When you multiply a number by \_\_\_\_\_\_ and subtract \_\_\_\_\_\_\_,   
 the result is equal to \_\_\_\_\_\_\_\_ .

2. Choose 3 equations from Question 1 and solve them using   
 algebra tiles or flow charts.   
 How did you choose the equations and decide which solution   
 strategy to use?