Name_____ Date_____

Reading and Solving Equations

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

   a) $5x + (-7) = 8$

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

   b) $8.5x + (-48) = 54$

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

   c) $20.8 - 6.8 = 7x - 3.5x$

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

   d) $3x - 6 = 10 - x$

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

Mathology 8, *Variables and Equations*
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Reading and Solving Equations (cont'd)

e) $\dfrac{x}{4} + 4.5 = 3$

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

f) $96x - 250 = 230$

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?