1A.4a

1. What is the solution to $3 - \dfrac{x+1}{4} = 8 - 2x$?

   A. $x = 4$

   B. $x = 3$

   C. $x = \dfrac{19}{7}$

   D. $x = -5$

2. What is the solution to $\dfrac{1}{3}(x - 12) = 2x + 6$?

   Solution:_____

3. What is the solution to $2x + 4 = \dfrac{2}{3}(3x + 9) - 8$?

   Solution:_____

4. Given: $2(x - 3) + 3 = 2x - 3$. If the last step in solving this linear equation is -3 = -3, what is the solution?

   Solution:_____

5. In order to eliminate the fractions from the following linear equation,

$$\frac{1}{4}x + 8 = 3x - \frac{3}{4}$$

which of the following steps could be justified by algebraic properties?

Multiply both sides of the equation by 4	Add $\dfrac{3}{4}$ to both sides of the equation	Multiply both sides of the equation by 3
Subtract $\dfrac{1}{4}$ from both sides of the equation	Multiply both sides of the equation by 8	Multiply both sides of the equation by $\dfrac{1}{4}$