Algebra RH

Practice for Equations Quiz

Directions: Solve each equation. Show result steps when appropriate. (*Remember you may not use a calculator on the unit quiz or test*).

1. $5x + 3 + 2x - 6x = 4x + 12$

2. $\dfrac{3-2x}{2} = -15$

3. $2(x+4) = \dfrac{1}{4}(8x + 24)$

4. $-3 - (x-4) + 5x = -5$

5. $0.03x + 1 = 0.4$

6. $3x - 12 + 3 = -2x + 5x - 9$

7. $0.12x + 0.09(2400 - x) = 261$

8. $\dfrac{3x+5}{2} = \dfrac{9-x}{-6}$

9. $|x-4| = 3$

10. $0.1x - 0.02(x+5) = 0.22$

11. $|2x+2| - 3 = 9$

12. $\dfrac{x}{6} - \dfrac{2x}{4} = -6$

13. $3|3x+9| = 45$

14. $1 - \dfrac{2x+5}{3} = \dfrac{-x}{2}$

15. $2 - 4(x+1) = \dfrac{1}{2}(-2 - 8x) - 1$