Tutoring HW 2

Section 1: Simplfy each expression or solve for x:

1. $2x - 2x + 3 = 3x + 1$

2. $9(x + 1) = 8(x - 1)$

3. $x(2 - 5) = 2x + 5x + 10$

4. $5 - 10x = -20x - 15$

5. $-(x + 1) = 2(x + 1) - 3(2 - x)$

6. $-1 - 2 - 3 - 2x - 3x = 10x + 24$

7. $-(-x + 2) + 3x = 10$

8. $8 \cdot 2 \cdot 4 = (5^2 + 3(13))x$

9. $7 \cdot -2 - 4 = (3^2)x$

10. $4 \cdot 2 \cdot 5 = 10x - 20$

11. $4 + 2 \cdot 5 = 10x - 6$

12. $4 \cdot 2 + 5 = 10x + 8$

13. $1 + 2^2 + 3^3 = 8x$

14. $15x \cdot 4 + 20 - 30x = 6^2 x + 4x$