Solve each equation, showing work. Beside each problem, write the steps you are doing.

1. $13x + 2 = 4x + 38$ 2. $7c + 12 = -4c + 78$

Solve each equation. Check your solution.

3. $2m - 13 = -8m + 27$ 4. $9x - 4 = 2x + 3$ 5. $6 + 3t = 8t - 14$

6. $\frac{3}{5}f + 24 = 4 - \frac{1}{5}f$ 7. $\frac{1}{12} + \frac{3}{8}y = \frac{5}{12} + \frac{5}{8}y$ 8. $3w + 2 = 7w$

9. $3(3m - 2) = 2(3m + 3)$ 10. $6(3a + 1) - 30 = 3(2a - 4)$

11. $\frac{1}{8}(3d - 2) = \frac{1}{4}(d + 5)$ 12. $6.78j - 5.2 = 4.33j + 2.15$

13. $14.2t - 25.2 = 3.8t + 26.8$ 14. $3.2k - 4.3 = 12.6k + 14.5$

15. $\frac{b-4}{6} = \frac{b}{2}$ 16. $3(2x - 7) = 5x + 4$

17. $(2m - 2) - (3m + 1) = 7m - 5$ 18. $8m - 3 - 3m = 4(3m + 1)$

19.   Find the value of x so that the figures have the same perimeter.