Solving Equations 3

Solve each of the following equations. Show all working!

1. $2x = 20$
2. $3x = 33$
3. $5x = 25$
4. $2x = 5$
5. $2x = 9$
6. $2x = 41$
7. $3x = 41$
8. $5x = 3$
9. $4x = 5$
10. $4x = 10$
11. $8x = 60$
12. $6x = 27$
13. $2x = -4$
14. $3x = -12$
15. $8x = -10$
16. $-x = 2$
17. $-2x = 8$
18. $-3x = 5$
19. $-4x = 6$
20. $-2x = -10$
21. $-5x = -40$
22. $x - 1 = 6$
23. $2x - 5 = 11$
24. $3x - 20 = 1$
25. $2x - 4 = -2$
26. $-3 + x = -7$
27. $-2 = x + 3$
28. $4x = 5x + 3$
29. $-1 + 2x = 1$
30. $3x + 4 = -x - 4$
31. $2(x - 1) = 4$
32. $2(3 - x) = -4$
33. $4(2x + 3) = 4$
34. $-(2 - x) = 3$
35. $-2(x + 2) = -24$
36. $-7(x + 1) = -14$
37. $-2(x - 1) = -4$
38. $-(5 - x) = 1$
39. $-3(4 - x) = -3$
40. $-4(-1 - x) = -4$
41. $2(x - 1) = 9$
42. $5(3 - x) = 3$
43. $5(2x - 1) = 2(x + 1)$
44. $4(x - 3) = -2(3 + x)$
45. $\frac{1}{2}x + \frac{3}{4} = 3$
46. $\frac{1}{2}(x + 1) = \frac{1}{3}$
47. $\frac{3}{4}(4 - x) = \frac{5}{6}$
48. $\frac{1}{3}x + \frac{3}{4}(2x - 1) = \frac{1}{2}$
49. $-\frac{2}{3}(1 - x) = \frac{1}{6}$
50. $\frac{1}{7}(x - 2) = \frac{1}{4}(x + 3) + \frac{1}{28}$
51. $\frac{2}{5}x + \frac{2}{3}(x - 1) = \frac{38}{15}$
52. $\frac{2}{5} - \frac{1}{2}(x + 3) = \frac{9}{10}$