Homework 18a

Solve:

1. $5(x + 6) = 4$

2. $(x + 5)(x + 9) = 0$

3. $5(5x - 3) = 40$

4. $10x - 1 < 12x + 4$

5. $x^2 = 80 + 2x$

6. $p^2 = 16p - 60$

7. $9 < 6x - 4$

8. $2 - x > \dfrac{x + 2}{8}$

9. $3 - 5x > -8$

10. $6 - 4x = 1$

11. $k^2 = 4k + 12$

12. $2x - 8 < 7x - 10$

13. $\dfrac{x}{4} = x + 3$

14. $x^2 = 3x + 88$

15. $7(4 - x) < -3$

16. $x + 11 > \dfrac{x - 9}{x}$

17. $6g - 4 = 9g + 9$

18. $(x + 2)^2 = x(x - 5)$

19. $\dfrac{x + 2}{8} = \dfrac{3 - x}{x}$

20. $(x + 1)^4 = 16$

21. $(x + 4)^2 = 36$

22. $8 - 10x = 3$

23. $\dfrac{x + 2}{3} = 5$

24. $\dfrac{20}{x} + \dfrac{x}{5} = 4$