(pp. 23-25) #6-36 (x3) skip #33

6. $m = -4$

9. $p = -48$

12. $z = 1.6$

15. The 4 should have been added to the right side.
$$3x - 4 = 2x + 1$$
$$3x - 2x - 4 = 2x + 1 - 2x$$
$$x - 4 = 1$$
$$x - 4 + 4 = 1 + 4$$
$$x = 5$$

18. no solution

21. no solution

24. $x = 6$

27. no solution

30. When the equation is $0 = 0$, it means it is true for all values of n, not just 0; The equation has infinitely many solutions.

33. It's never the same. Your neighbor's total cost will always be $75 more than your total cost.

36. 3 units