Additional Practice on solving Quadratic Equations using all 3 techniques

Solve each problem using 3 different methods:

- a) First Factor and solve
- b) Solve by using the quadratic formula
- c) Solve by completing the square

7) $b^2 - 14b = 15$

8) $n^2 + 12n = -27$

9) $b^2 - 20b = 44$

10) $p^2 + 18p = -56$

11) $x^2 - 8x + 15 = 0$

12) $m^2 + 14m - 72 = 0$

13) $b^2 + 6b - 72 = 0$

14) $n^2 - 8n - 65 = 0$

31) $5x^2 + 20x = 25$

32) $7v^2 - 14v = 21$

33) $4n^2 + 8n - 96 = 0$

34) $5b^2 - 20b - 60 = 0$

35) $2n^2 - 4n - 48 = 0$

36) $3k^2 - 12k - 15 = 0$