Algebra 2A   Name_____

WS 6.3.6   Date_____ Hour____

Solve each equation by factoring. Don't forget to look for a GCF!
Show your work on a separate sheet of paper if you need more space.
CHECK YOUR ANSWERS!

1) $2x^2 + 16x + 30 = 0$ 2) $8x^2 - 88x + 240 = 0$

3) $m^2 + 4m = -4$ 4) $7x^2 - 70x + 173 = 5$

5) $28a^2 - 68a - 45 = 3$ 6) $21m^2 - 22m + 3 = -2$

7) $112 - 44n = -4n^2$

8) $2x^2 = 2x + 4$

9) $12 = 30b - 18b^2$

10) $48 + 80x = -12x^2$

11) $10 = -n^2 + 6n + 2$

12) $-87 - 12x = -4x^2 - 3 + 4x$

13) $35b^2 + 36 = -72b$

14) $6a^2 + 18a - 41 = a^2 - 6$