

CW 21.1 Factoring (easy, hard, and GCF 'tricky')

Factor Completely. If non-factorable, say so.

1. $2a^2 - 6a$	2. $2x^2 - 52x + 50$
3. $x^2 + 12x + 36$	4. $6x^4 + 12x^3 - 18x^2$
5. $2y^2 - 40y + 200$	6. $y^2 - 4y - 45$
7. $w^2 - 6w + 7$	8. $2x^2 + 10x + 8$
9. $2x^2 + 9x - 35$	10. $30x^2 - 38x + 12$

Solve for x. Show all work. Circle your answers.

11. $x^2 - 3x = 0$	12. $x^2 + 2x - 15 = 0$
13. $x^2 + 5x = 24$	