9.1 Greatest Common Factor

Corrective Assignment #2

NAME:_____

DATE:_____

Factor the following if possible.		
1. $12x - 8$	2. $3y^2 + 15y$	3. $7t^2 - 10t$
4. $15m^4 + 25m^2$	5. $x^2 - 6x$	6. $5x - 9$
7. $2x^4 + 18x^3 - 3x^2$	8. $6x^2 - 9x + 15$	9. $12x^3 + 24x^2 - 18x$
Use the Zero Product Rule to solve the following factored equations.		
10. $2x(x - 3) = 0$	11. $0 = (x - 3)(x + 1)$	12. $3(2x - 5) = 0$
13. $0 = (2t + 3)(t - 1)$	14. $(2d - 7)(3d + 5) = 0$	15. $0 = 4x(2x + 1)(x - 5)$

Solve the following by factoring.	
16. $4x^2 - 8x = 0$	17. $0 = 10b^2 + 25b$

Solve the following by factoring.	
18. $3x^2 - 6x = 0$	19. $6m^2 = 18m$
20. $2x = 6x^2$	21. $d^2 = 7d$
22. $15y^2 - 9y = 0$	23. $6f = 8f^2 + 2f$

ANSWERS TO CORRECTIVE ASSIGNMENT

1. $4(3x - 2)$	2. $3y(y + 5)$	3. $t(7t - 10)$	4. $5m^2(m^2 + 5)$
5. $x(x - 6)$	6. Does Not Factor	7. $x^2(2x^2 + 9x - 3)$	8. $3(2x^2 - 3x + 5)$
9. $6x(2x^2 + 4x - 3)$	10. $x = 0, 3$	11. $x = -1, 3$	12. $x = \frac{5}{2}$
13. $t = -\frac{3}{2}, 1$	14. $d = -\frac{5}{3}, \frac{7}{2}$	15. $x = -\frac{1}{2}, 0, 5$	16. $x = 0, 2$
17. $b = -\frac{5}{2}, 0$	18. $x = 0, 2$	19. $m = 0, 3$	20. $x = 0, \frac{1}{3}$
21. $d = 0, 7$	22. $y = 0, \frac{3}{5}$	23. $f = 0, \frac{1}{2}$	