9.2 Factor Trinomials

NAME:_____

Corrective Assignment

DATE:_____

Answer the following. Justify your answer by showing work!

1. Is $(x-2)(x+3)$ the factored form of x^2-x-6 ?

2. Is $(x+3)(x-7)$ the factored form of $x^2-3x+21$?

3. Is $(h+4)(h-4)$ the factored form of $h^2-8h-16$?

4. Is $(p+5)(p+2)$ the factored form of $p^2+7p+10$?

Factor the following if possible. Check your answer by multiplying!

5. $x^2-5x-36$

6. x^2-2x-3

7. $x^2+2x-24$

8. p^2-4

9. n^2-n-56

10. $d^2+16d+15$

Solve the following by factoring.

11. $x^2-2x-48=0$

12. $0=b^2-36$

Solve the following by factoring.	
13. $x^2 + 8x = -12$	14. $5m^2 + 20m = 0$
15. $2x = x^2 - 15$	16. $d^2 + 4d = 32$
17. $y^2 - 8y = -16$	18. $0 = f^2 + 5f + 6$

ANSWERS TO CORRECTIVE ASSIGNMENT

1. NO	2. NO	3. NO	4. YES
5. $(x-9)(x+4)$	6. $(x-3)(x+1)$	7. $(x+6)(x-4)$	8. $(p+2)(p-2)$
9. $(n-8)(n+7)$	10. $(d+15)(d+1)$	11. $x = -6, 8$	12. $b = -6, 6$
13. $x = -6, -2$	14. $m = -4, 0$	15. $x = -3, 5$	16. $d = -8, 4$
17. $y = 4$	18. $f = -3, -2$		