

Name Answers! Date _____ Period _____

DIRECTIONS: Factor.

1. $6a^2 - 7a + 2$

$(3a-2)(2a-1)$

2. $6y^2 + y - 15$

$(3y+5)(2y-3)$

3. $8r^2 - 6r - 9$

$(4r+3)(2r-3)$

4. $2w^2 + 9w + 9$

$(2w+3)(w+3)$

5. $6b^2 - 5b - 25$

$(3b+5)(2b-5)$

6. $8x^2 + 2x - 3$

$(4x+3)(2x-1)$

7. $6m^2 + 21m - 90$

$3(m+6)(2m-5)$

8. $10p^2 + 14p + 4$

$2(5p+2)(p+1)$

9. $10y^2 - 29y + 10$

$(5y-2)(2y-5)$

10. $6x^2 + 15x + 6$

$3(2x+1)(x+2)$

11. $6t^2 + 19t + 15$

$(3t+5)(2t+3)$

12. $20a^2 - 11a - 4$

$(5a-4)(4a+1)$

13. $pq - 2q + 2p - 4$

$(q+2)(p-2)$

14. $x^4 - 16$

$(x^2+4)(x+2)(x-2)$

15. $4n^2 - 28n + 49$

$(2n-7)^2$

16. $250y^2 - 2y^5$

$2y^2(5-y)(25+5y+y^2)$

17. $x^3 - x^2 + 4x - 4$

$(x^2+4)(x-1)$

18. $xy - 2y - x + 2$

$(y-1)(x-2)$

19. $27c^3 - 8$

$(3c-2)(9c^2+6c+4)$

20. $4xy + 1 - 2x - 2y$

$(2y-1)(2x-1)$

21. $20x^4 - 23x^3 + 6x^2$

$x^2(5x-2)(4x-3)$