2-1.5 Factoring Polynomials EXTRA

Name: _____ Time› Start: _____ Finish: _____ Total Time = _____

Tell how many possible combinations exist if you were to factor the trinomial.

_____ 1. $8n^2 + \square n + 15$ _____ 2. $4n^2 + \square n + 7$ _____ 3. $12n^2 + \square n + 11$

_____ 4. $8n^2 + \square n + 30$ _____ 5. $7n^2 + \square n + 24$ _____ 6. $6n^2 + \square n + 25$

_____ 7. $12n^2 + \square n + 35$ _____ 8. $20n^2 + \square n + 21$ _____ 9. $8n^2 + \square n + 15$

_____ 10. $11n^2 + \square n + 50$ _____ 11. $9n^2 + \square n + 70$ _____ 12. $16n^2 + \square n + 45$

Factor each trinomial completely. Don't forget to factor out GCF first!

_____ 13. $6x^2 + 19x + 15$ _____ 14. $5x^2 + 23x + 12$

_____ 15. $20x^2 + 18x - 18$ _____ 16. $6x^2 - 8x - 8$

_____ 17. $6x^2 + 9x - 105$ _____ 18. $21x^2 - x - 2$

_____ 19. $10x^2 + 37x - 12$ _____ 20. $2x^2 + 14x + 24$

_____ 21. $12x^2 + 4x - 33$ _____ 22. $8x^2 + 75x + 27$