Algebra Chapter 10 Practice Test 1

For 1-15, factor the given polynomials into two binomials. Don't forget to factor out GCF first.

_____ 1. $x^2 + 21x + 20$

_____ 2. $x^2 + 7x + 10$

_____ 3. $2x^2 + 10x + 8$

_____ 4. $x^2 - 4x - 12$

_____ 5. $3x^2 + 15x + 18$

_____ 6. $x^2 - 9x + 14$

_____ 7. $x^2 - 25$

_____ 8. $x^2 - 11x + 10$

_____ 9. $5x^2 + 10x - 40$

_____ 10. $x^2 + 22x + 40$

_____ 11. $x^2 - 7x - 30$

_____ 12. $4x^2 - 8x - 12$

_____ 13. $x^2 - 6x + 5$

_____ 14. $x^2 + 9x - 10$

_____ 15. $10x^2 + 70x + 100$

_____ 16. Give correct binomial $(x - 4) ($ _____ $) = 2x^2 + 2x - 40$

_____ 17. Give correct binomial $(5x - 1) ($ _____ $) = 5x^2 - 21x + 4$

_____ 18. Which is a factor of $6x^2 - 11x - 10$?

   A. $(x + 5)$ B. $(3x + 2)$ C. $(2x + 5)$

_____ 19. Which is a factor of $2x^2 - x - 3$?

   A. $(x + 3)$ B. $(2x - 3)$ C. $(x - 3)$