

Algebra Chapter 10 Practice Test 2

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

_____ 1. $x^2 + 9x + 20$

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

_____ 3. $3x^2 + 15x + 12$

_____ 4. $x^2 - 4x - 21$

_____ 5. $3x^2 + 18x + 24$

_____ 6. $x^2 - 14x + 24$

_____ 7. $x^2 - 16$

_____ 8. $x^2 - 22x + 40$

_____ 9. $5x^2 + 5x - 60$

_____ 10. $x^2 + 11x + 30$

_____ 11. $x^2 - 18x - 40$

_____ 12. $2x^2 - 14x + 20$

_____ 13. $x^2 - 29x + 100$

_____ 14. $x^2 + 5x - 14$

_____ 15. $5x^2 + 5x - 100$

_____ 16. Give correct binomial $(x - 2)(\quad) = 5x^2 - 7x - 6$

_____ 17. Give correct binomial $(5x + 3)(\quad) = 15x^2 - 11x - 12$

_____ 18. Which is a factor of $6x^2 - 23x - 18$?
A. $(x + 3)$ B. $(2x - 9)$ C. $(3x + 1)$

_____ 19. Which is a factor of $6x^2 - 11x + 4$?
A. $(3x - 4)$ B. $(2x + 1)$ C. $(6x - 1)$