Alg Pract Test
Factoring

Name _____

Date_____

1. *** Write the General Form of the Quadratic Equation

2. *** Define "Factoring"

3. *** Draw the schematic for factoring.

4. *** In the expression $x^2 + bx + c$, how do you find the value of b?

5. *** In the equation $ax^2 + bx + c$, how do you find the value of b.?

Factor the following polynomials completely.

6. ** $4a^2bc + 8abc^2$

7. ** $4x^3 + 8x^2 - 12x$

8. ** $a^2 - 49$

9. ** $16x^2 - 25$

10. ** $x^4 - 1$

11. ** $x^2 + x - 20$

12. ** $x^2 + 13x - 48$

13. ** $12x^2 + 20x + 3$

14. ** $4x^2 - 7x - 15$

15. ** $12x^2 - 27$

16. ** $5x^2 + 15x + 10$

17. ** $12x^2 - 14x - 6$

18. ** $x^3 + 8$

19. ** $8x^3 - 125$

20. *** Provide parental contact information; phone, email, home address (CHP)