

Factor Each Quadratic and then Solve.

Name _____

1. $x^2 + 14x + 24 = 0$

14. $-2x^2 + 9x - 18 = 0$

2. $x^2 + 12x = -32$

15. $x^2 - 9 = 0$

3. $y^2 - 17y + 72 = 0$

16. $4a^2 - 25 = 0$

4. $x^2 - 6xy + 5y^2$

17. $9m^2 - 144 = 0$

5. $x^2 - 7x + 12 = 0$

18. $u^4 - 81 = 0$

6. $x^2 - 6x = 27$

19. $(y - 4)^2 = 7$

7. $h^2 + 48 = 16h$

20. $5x^2 - 60x = -180$

8. $a^2 + 10ab - 39b^2$

21. $x^2 + 8x + 16 = 25$

9. $5x^2 + 34x + 24 = 0$

22. $5x^5 - 45x = 0$

10. $2x^2 - 3x - 9 = 0$

23. $x^2 - \frac{9}{16} = 0$

11. $5x^2 + 3x + 4 = 0$

24. $6p^2 - 3p = 0$

12. $12x^2 + 69x + 45$

25. $(y - 6)^2 = 81$

13. $2x^2 + 13x = 15$

26. $4c^2 + 4c + 1 = 15$