

Name \_\_\_\_\_



Date \_\_\_\_\_

## Radicals

Simplify.

1. $\sqrt{-2x + 86} - 9 = 1$	2. $\sqrt{-4x + 73} = 7$	3. $\sqrt{3x - 41} = 2$
4. $\sqrt{-x + 62} + 12 = 20$	5. $\sqrt{4x + 113} = 9$	6. $\sqrt{2x + 29} - 20 = -17$
7. $\sqrt{3x + 61} + 18 = 23$	8. $\sqrt{25 - x} = 6$	9. $\sqrt{147 - 3x} + 7 = 19$
10. $\sqrt{105 - 4x} - 3 = 8$	11. $\sqrt{11 - x} = 4$	12. $\sqrt{2x - 10} = 4$
13. $\sqrt{-2x + 116} - 13 = -1$	14. $\sqrt{-3x + 108} = 9$	15. $\sqrt{4x - 8} + 22 = 24$
16. $\sqrt{85 - x} = 10$	17. $\sqrt{-4x + 37} + 23 = 30$	18. $\sqrt{-3x - 24} - 11 = -8$
19. $\sqrt{2x + 8} = 6$	20. $\sqrt{72 + x} = 8$	21. $\sqrt{101 - 4x} = 11$
22. $\sqrt{22 - 3x} + 4 = 9$	23. $\sqrt{2x + 25} = 7$	24. $\sqrt{-x + 11} - 25 = -22$
25. $\sqrt{89 + 2x} + 6 = 15$	26. $\sqrt{40 - 4x} = 2$	27. $\sqrt{-3x + 82} = 10$
28. $\sqrt{x + 71} - 2 = 6$	29. $\sqrt{-x + 15} = 5$	30. $\sqrt{4x + 68} + 16 = 20$