

Name _____



Date _____

Radicals

Simplify.

1. $\sqrt{-16x + 148} = x - 7$	2. $\sqrt{x + 45} = x + 3$	3. $\sqrt{-5x + 54} = x - 6$
4. $\sqrt{6x + 28} = x - 2$	5. $\sqrt{-17x + 33} = x - 5$	6. $\sqrt{25x + 96} = x + 10$
7. $\sqrt{-18x + 198} = x - 11$	8. $\sqrt{-11x + 75} = x - 9$	9. $\sqrt{20x + 204} = x + 12$
10. $\sqrt{-9x + 58} = x - 8$	11. $\sqrt{10x - 49} = x - 4$	12. $\sqrt{-12x + 33} = x + 1$
13. $\sqrt{31x + 126} = x + 10$	14. $\sqrt{3x + 232} = x - 2$	15. $\sqrt{-18x + 160} = x - 12$
16. $\sqrt{17x - 43} = x + 1$	17. $\sqrt{38x + 157} = x + 11$	18. $\sqrt{-17x + 89} = x - 7$
19. $\sqrt{15x + 319} = x + 9$	20. $\sqrt{-6x + 142} = x - 5$	21. $\sqrt{29x - 52} = x + 4$
22. $\sqrt{29x + 78} = x + 8$	23. $\sqrt{40x - 151} = x + 6$	24. $\sqrt{-14x + 30} = x - 5$
25. $\sqrt{4x + 149} = x - 4$	26. $\sqrt{-20x + 216} = x - 6$	27. $\sqrt{-16x + 409} = x - 7$
28. $\sqrt{-19x + 368} = x - 8$	29. $\sqrt{-19x + 131} = x - 11$	30. $\sqrt{-18x + 279} = x - 12$