


Name: _____ Date: _____ Period: _____

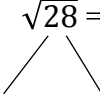
Simplifying Radicals Notes

To simplify a radical, _____ the expression under the radical sign to its _____.
For every _____ of like factors, bring out _____ of the factors.


Example 1: $\sqrt{4} =$



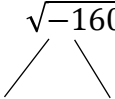
Example 2: $\sqrt{28} =$




Example 3: $\sqrt{720} =$




Example 4: $\sqrt{-160} =$



Example 5: $\sqrt{-810} =$



Example 6: $\sqrt{-486} =$



1. $\sqrt{9}$

2. $\sqrt{32}$

3. $\sqrt{-50}$

4. $\sqrt{80}$

5. $\sqrt{72}$

6. $\sqrt{-120}$

7. $\sqrt{68}$

8. $\sqrt{-180}$

9. $\sqrt{180}$

10. $\sqrt{-33}$

11. $\sqrt{-48}$

12. $\sqrt{225}$

13. $\sqrt{12}$

14. $\sqrt{-121}$

15. $\sqrt{76}$

16. $\sqrt{-32}$

17. $\sqrt{96}$

18. $\sqrt{-128}$

19. $\sqrt{-100}$

20. $\sqrt{216}$

21. $\sqrt{448}$

22. $\sqrt{-54}$

23. $\sqrt{48}$

24. $\sqrt{252}$

25. $\sqrt{-392}$

26. $\sqrt{150}$

27. $\sqrt{-112}$

28. $\sqrt{-16}$