

Math 2 Unit 1 Worksheet 4
Radicals

Name: _____
Date: _____ Per: _____

Simplify to simplest radical form. Show all valid and appropriate work.

1. $\sqrt{36}$

2. $\sqrt{24}$

3. $\sqrt{60}$

4. $-\sqrt{126}$

5. $\sqrt{147}$

6. $\pm\sqrt{216}$

7. $\sqrt{324}$

8. $-\sqrt{600}$

9. $4\sqrt{20}$

10. $-6\sqrt{54}$

11. $7\sqrt{64}$

12. $\pm 9\sqrt{120}$

13. $\sqrt{3} \cdot \sqrt{6}$

14. $4\sqrt{6} \cdot \sqrt{27}$

15. $2\sqrt{5} \cdot 3\sqrt{35}$

16. $-3\sqrt{8} \cdot 3\sqrt{32}$

17. $7\sqrt{3} \cdot 2\sqrt{15}$

18. $-\sqrt{12} \cdot \sqrt{18}$

19. $\sqrt{2} \cdot 2\sqrt{3} \cdot \sqrt{30}$

20. $\sqrt{22} \cdot \sqrt{33}$

21. $4\sqrt{6} \cdot 4\sqrt{6}$

22. $5\sqrt{2} \cdot 5\sqrt{2}$

23. $(3\sqrt{7})^2$

24. $(4\sqrt{5})^2$