

REVIEW WORKSHEET
SIMPLIFYING RADICALS

Name _____
Date _____

Directions: Simplify each expression using perfect square factors.

List the perfect squares from 1^2 to 12^2 .

1. $\sqrt{75}$

2. $\sqrt{20}$

3. $\sqrt{36}$

4. $\sqrt{80}$

5. $\sqrt{150}$

6. $\sqrt{30}$

7. $\sqrt{8}$

8. $\sqrt{18}$

9. $\sqrt{32}$

10. $\sqrt{12}$

11. $\sqrt{8}$

12. $\sqrt{108}$

13. $\sqrt{125}$

14. $\sqrt{50}$

15. $\sqrt{175}$

16. $\sqrt{28}$

17. $\sqrt{45}$

18. $\sqrt{72}$

Add/subtract the radicals, if possible.

19. $4\sqrt{3} - \sqrt{27}$

21. $2\sqrt{6} - 2\sqrt{24}$

22. $-\sqrt{12} + 3\sqrt{3}$

23. $2\sqrt{6} + 3\sqrt{54}$