

Name _____

Algebra I Practice Quiz 10.2

Simplify each expression. Circle your answer.

1. $\sqrt{60}$

2. $\sqrt{45}$

3. $\sqrt{75}$

4. $\sqrt{700}$

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

6. $\sqrt{3} \cdot \sqrt{8}$

7. $5\sqrt{6} \cdot \sqrt{6}$

8. $3\sqrt{2} \cdot 4\sqrt{6}$

9. $\sqrt{25x^2y^4}$

10. $\sqrt{63x^6y^7}$

11. $\sqrt{\frac{3}{7}}$

12. $\sqrt{\frac{36}{81}}$

13. $\frac{3}{7-\sqrt{2}}$

14. $\frac{2}{\sqrt{6}+1}$

15. $\sqrt{24}$

16. $3\sqrt{2} \cdot -5\sqrt{7}$

17. $\sqrt{\frac{1}{5}}$

18. $\sqrt{\frac{12}{x^2}}$

19. $\frac{\sqrt{2}}{3+\sqrt{5}}$

20. $\sqrt{32xy^4}$

21. $\sqrt{98}$

22. $\sqrt{48}$

23. $\sqrt{5} \cdot \sqrt{20}$

24. $\sqrt{8} \cdot \sqrt{10}$