

Review for tomorrow's quiz on Simplifying Radicals, Adding, Subtracting, Multiplying, and Dividing Radicals.

Simplify:

1. $\sqrt{24}$

2. $\sqrt{75}$

3. $\sqrt[3]{16}$

4. $-\sqrt[4]{48}$

5. $\sqrt{49x^6y^{10}}$

6. $\sqrt{40x^7y^{13}}$

7. $3\sqrt{75} + 2\sqrt{27}$

8. $2\sqrt{18} + 3\sqrt{50} - 3\sqrt{2}$

9. $(4\sqrt{3})(5\sqrt{3})$

10. $(4\sqrt{12})(3\sqrt{20})$

11. $(3 + \sqrt{2})(2 - 2\sqrt{2})$

12. $(1 - \sqrt{2})^2$