

Name _____

Simplifying Radicals With Various Indexes:

Date _____ Period _____

Simplify.

1) $\sqrt{24}$

2) $\sqrt[3]{1000}$

3) $\sqrt[3]{-162}$

4) $\sqrt{512}$

5) $\sqrt[4]{128n^8}$

6) $\sqrt{98k}$

7) $\sqrt[3]{224r^7}$

8) $\sqrt[3]{24m^3}$

9) $\sqrt{392x^2}$

10) $\sqrt{512x^2}$

11) $\sqrt[4]{405x^3y^2}$

12) $\sqrt[3]{-16a^3b^8}$

How did you feel while completing this homework?

1: I understood and could complete essentially no problems on this homework.	2: I could complete less than half of the problems on this homework.	3: I could complete most of the problems but got stuck on some of them as well.	4: I understood and could complete essentially all problems on this homework

If not at a four yet, what steps do you plan to take to further your understanding of this assignment? (See Mr. Scheuer before/after school, ask Mr. Scheuer for help during class, attend Intervention, get help from a tutor, get help from other resources, etc.)