Section 2.1 and 2.2 - Final Exam Prep

Answer the following three questions, show as many steps as you need to, write clearly and neatly.

1. Use the Exponent Radical Relationship to Simplify the Following

$$\sqrt[3]{8x^6y^9z^{12}}$$

(23(x2)3(y3)3(z4)3)43

Simplify the following

2. $\sqrt{25x^6y^{11}}$

3.	6/	$128x^6y^{12}$
•	V	

4. $\sqrt[3]{-32x^5y^7}$

$$-\frac{1}{2^3 \cdot 2^3 \cdot x^3 \cdot x^3} (y^2)$$

$$2\times y^2\sqrt{2}$$