Assignment: Applying Order of Operations

Directions: Use the order of operations to simplify the expressions. Show each step in your work. Describe each step in words. See the example below:

Example: Simplify the expression $(3+6 \div 2)^3$.

- a. Simplify within parentheses first, division before addition: $(3+6 \div 2)^3 = (3+3)^3$
- b. Within the parentheses, perform addition: $(3+3)^3 = 6^3$
- c. Apply the exponent: $6^3 = 216$
- 1. Simplify the expression 7-2(2+5)-8.
- 3. Simplify the expression 3[9-(20)] Notes ale. co. uk

 Preview page 1 of 1

 1. Simplify the
- 4. Simplify the expression $225 \div (7-4)^2 15$.
- 5. Simplify the expression $200-5(4-1)^3$.