

Name \_\_\_\_\_



## Simplified Laws

**Directions:** For each expression, choose the correct law of exponents from the Word Bank. Write the law, then simplify the expression.

|                    |                     |
|--------------------|---------------------|
| Product of Powers  | Power of a Product  |
| Quotient of Powers | Power of a Quotient |
| Power of a Power   |                     |

| Expression            | Law | Simplified Expression |
|-----------------------|-----|-----------------------|
| 1) $4^3 \times 4^5$   |     |                       |
| 2) $(7^2)^4$          |     |                       |
| 3) $9^6 \div 9^2$     |     |                       |
| 4) $(2 \times 5)^3$   |     |                       |
| 5) $(18 \div 3)^2$    |     |                       |
| 6) $10^4 \times 10^2$ |     |                       |
| 7) $(6^3)^2$          |     |                       |
| 8) $8^7 \div 8^4$     |     |                       |
| 9) $(3 \times 4)^2$   |     |                       |
| 10) $(20 \div 5)^3$   |     |                       |