Name: _____ **Grade:** _____ **Date:** _____

Laws of Indices

Simplify the following.

To enter your answers, use ^ to raise to the power of or / for a fraction.

For example: 2^2 = 2^2 and 1/25 = $\frac{1}{25}$

1) $m^5 \times m^3 =$ _____

2) $w^8 \div w^2 =$ _____

3) $(k^3)^2 =$ _____

4) $\frac{n^9 \times n}{n^5} =$ _____

5) $2a^3c^3 \times 3a^2c =$ _____

6) $4^0 =$ _____

7) $\frac{10m^5n^4}{2m^2n} =$ _____

8) $(2m^4)^3 =$ _____

9) $16^{-3} =$ _____

10) $15p^3q^2 \times 3pq =$ _____

LIVEWORKSHEETS