LAWS OF EXPONENTS

Name _____ Date _____

INSTRUCTIONS: Answer ALL questions in the spaces provided. SHOW ALL WORKING.

1. Evaluate: $(-3)^2 \times (-3)^4$ = -3 = -3	2. Evaluate $(2^3)^6$ = 2 = 2 =
3. Simplify: $(3a^2b^3)(5ab^2)$ = a b = a b	4. Simplify: $5p \times 2p^3 \times 3$ = p = p
5. Simplify: $54p^3 \div 9p^{-4}$ = p = p	6. Simplify: $\frac{24a^3b^7}{3a^2b}$ = a b = a b
7. Simplify: $(3x^4y^2)^4$ = x y = x y	8. Simplify: $\frac{9a^2b}{12ab}$ = ---- a b = ---- a
9. Simplify: $\left(\frac{3x^2y}{z}\right)^3$ = $\frac{x\ y}{z}$ = $\frac{x\ y}{z}$	10. Simplify: $\frac{8a^2 \times a^4}{2a}$ = $\frac{a}{2a}$ = $\frac{a}{2a}$ = ÷ a = a

LIVEWORKSHEETS