Exponent Laws

Identify the base in the following powers:

a) 5^3

b) 2x4

c) (ab)2

d) $(-3)^5$

2. Complete the following exponent laws:

Product Rule	Quotient Rule	Zero Exp. Rule	Power to Power Rule
e) $x^a \cdot x^b =$	f) $\frac{x^a}{x^b}$ =	g) $x^0 =$	h) $\left(x^{a}\right)^{b}$ =

3. Simplify the following expression by applying the exponent laws & evaluate.

o) $\frac{(4b^5)^2}{(2b^2)^3} = b$ p) $(2b)^{-2} = -$