

Name _____

Missing Base or Exponent

Find the missing exponent in the following expressions.

1) $2^a = 256$ $a = 8$	2) $5^w = 25$ $w = 2$	3) $6^y = 1296$ $y = 4$
4) $7^b = 49$ $b = 2$	5) $8^c = 32768$ $c = 5$	6) $9^d = 729$ $d = 3$
7) $10^c = 10000$ $c = 4$	8) $2^w = 1024$ $w = 10$	9) $3^x = 729$ $x = 6$
10) $4^y = 64$ $y = 4$	11) $5^z = 625$ $z = 4$	12) $6^c = 36$ $c = 2$