

Name _____

Missing Base or Exponent

Find the value of x in the following expressions.

1) $3^{2x} = 81$ $x = 2$	2) $2^{3x-1} = 256$
3) $6^{2x} = 36$	4) $2^{x+3} = 64$
5) $10^{x+1} = 1000$	6) $7^{2x} = 49$
7) $5^{x-1} = 125$	8) $9^{x+1} = 729$