Scientific Notation - Standard

Example: 1

Write 3.25×10^2 in standard notation.

Here the exponent is 2. We should move the decimal point 2 places to the right.

$3.25 \times 10^2 =$ **325**

Example: 2

Write 8.76×10^{-2} in standard notation.

Here the exponent is -2. We should move the decimal point 2 places to the left.

$8.76 \times 10^{-2} =$ **0.0876**

Move the decimal forward or backward the number of places equal to the exponent. Express each number in standard notation.

For your answers use this format: 99,999 or 999 or 999.9 if there is a number after the decimal.
For numbers with a decimal use the leading zero 0.9999

1) $9.63 \times 10^{-3} =$ _____

2) $5.1146 \times 10^3 =$ _____

3) $3.042 \times 10^2 =$ _____

4) $7.259 \times 10^4 =$ _____

5) $9.105 \times 10^{-2} =$ _____

6) $6.5 \times 10^{-5} =$ _____

7) $6.1 \times 10^4 =$ _____

8) $9.8 \times 10^{-1} =$ _____

9) $2.9854 \times 10^{-1} =$ _____

10) $8.432 \times 10^4 =$ _____

11) $1.05 \times 10^2 =$ _____

12) $2.8502 \times 10^{-3} =$ _____

13) $4.172 \times 10^{-4} =$ _____

14) $9.7 \times 10^5 =$ _____