

NAME \_\_\_\_\_

DATE \_\_\_\_\_

SCIENTIFIC NOTATION: Worksheet 3

Change each standard number to scientific notation.

- 1) 6,630,000
- 2) 54,000,000,000,000
- 3) 2,900
- 4) 1,888,000,000,000,000

Change each to a standard number.

- 5)  $9.1 \times 10^8$
- 6)  $7.73 \times 10^3$
- 7)  $2.5 \times 10^{12}$
- 8)  $3 \times 10^4$

***Move the decimal point to the left when the exponent is negative.***

Change to a standard number.

- 9)  $2.77 \times 10^{-5}$

Change to scientific notation.

- 10) .006

KEY

SCIENTIFIC NOTATION: Worksheet 3

Change each standard number to scientific notation.

- |                          |                        |
|--------------------------|------------------------|
| 1) 6,630,000             | $6.63 \times 10^6$     |
| 2) 74,000,000,000,000    | $7.4 \times 10^{13}$   |
| 3) 2,900                 | $2.9 \times 10^3$      |
| 4) 1,888,000,000,000,000 | $1.888 \times 10^{15}$ |

Change each to a standard number.

- |                         |                   |
|-------------------------|-------------------|
| 5) $9.1 \times 10^8$    | 910,000,000       |
| 6) $7.73 \times 10^3$   | 7,730             |
| 7) $2.5 \times 10^{12}$ | 2,500,000,000,000 |
| 8) $3 \times 10^4$      | 30,000            |

*Move the decimal point to the left when the exponent is negative.*

Change to a standard number.

- |                          |          |
|--------------------------|----------|
| 9) $2.77 \times 10^{-5}$ | .0000277 |
|--------------------------|----------|

Change to scientific notation.

- |          |                    |
|----------|--------------------|
| 10) .006 | $6 \times 10^{-3}$ |
|----------|--------------------|