

Student Name: \_\_\_\_\_

Score: \_\_\_\_\_

**Adding and Subtracting Numbers in Scientific Notation**

*Example:*  $7.4 \times 10^2 + 2.735 \times 10^6$

$$\begin{aligned} &7.4 \times 10^2 + 2.735 \times 10^6 \\ &= 0.00074 \times 10^6 + 2.735 \times 10^6 \\ &= (0.00074 + 2.735) \times 10^6 \\ &= 2.73574 \times 10^6 \end{aligned}$$

Answer:  **$2.73574 \times 10^6$**

$$2 \times 10^3 - 1.9 \times 10^2$$

Answer:

$$5.2 \times 10^7 + 3.01 \times 10^4$$

Answer:

$$2.005 \times 10^5 - 8.664 \times 10^2$$

Answer:

$$6.2 \times 10^5 + 9.7 \times 10^1$$

Answer:

$$7.32 \times 10^6 - 4.01 \times 10^8$$

Answer:

Student Name: \_\_\_\_\_

Score: \_\_\_\_\_

**Answers**

<p><i>Example:</i> <math>7.4 \times 10^2 + 2.735 \times 10^6</math></p> $7.4 \times 10^2 + 2.735 \times 10^6$ $= 0.00074 \times 10^6 + 2.735 \times 10^6$ $= (0.00074 + 2.735) \times 10^6$ $= 2.73574 \times 10^6$	$2 \times 10^3 - 1.9 \times 10^2$
Answer: <b><math>2.73574 \times 10^6</math></b>	Answer: <b><math>1.81 \times 10^3</math></b>
$5.2 \times 10^7 + 3.01 \times 10^4$	$2.005 \times 10^5 - 8.664 \times 10^2$
Answer: <b><math>5.20301 \times 10^7</math></b>	Answer: <b><math>1.996336 \times 10^5</math></b>
$6.2 \times 10^5 + 9.7 \times 10^1$	$7.32 \times 10^6 - 4.01 \times 10^8$
Answer: <b><math>6.20097 \times 10^5</math></b>	Answer: <b><math>-3.9368 \times 10^8</math></b>