

Student Name: _____

Score: _____

Adding and Subtracting Numbers in Scientific Notation

Example: $3 \times 10^4 + 2.5 \times 10^5$

$$\begin{aligned} &3 \times 10^4 + 2.5 \times 10^5 \\ &= 0.3 \times 10^5 + 2.5 \times 10^5 \\ &= (0.3 + 2.5) \times 10^5 \\ &= 2.8 \times 10^5 \end{aligned}$$

Answer: 2.8×10^5

$2.5 \times 10^4 - 1.5 \times 10^3$

Answer:

$1.43 \times 10^2 + 7.105 \times 10^5$

Answer:

$7.1567 \times 10^3 + 5.5 \times 10^6$

Answer:

$1.2 \times 10^2 - 6 \times 10^3$

Answer:

$9.65 \times 10^7 - 8.1 \times 10^6$

Answer:

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Answers

<p><i>Example:</i> $3 \times 10^4 + 2.5 \times 10^5$</p> $3 \times 10^4 + 2.5 \times 10^5$ $= 0.3 \times 10^5 + 2.5 \times 10^5$ $= (0.3 + 2.5) \times 10^5$ $= 2.8 \times 10^5$	$2.5 \times 10^4 - 1.5 \times 10^3$
<p>Answer: 2.8×10^5</p>	<p>Answer: 2.35×10^4</p>
$1.43 \times 10^2 + 7.105 \times 10^5$	$1.2 \times 10^2 - 6 \times 10^3$
<p>Answer: 7.10643×10^5</p>	<p>Answer: -5.88×10^3</p>
$7.1567 \times 10^3 + 5.5 \times 10^6$	$9.65 \times 10^7 - 8.1 \times 10^6$
<p>Answer: 5.5071567×10^6</p>	<p>Answer: 8.84×10^7</p>