

Adding & Subtracting Scientific Notation 9/29

Steps:

1. Convert Scientific Notation to Standard Form
2. Add or Subtract
3. Convert answer back to Scientific Notation

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Examples:

① $2 \times 10^7 \oplus 3.6 \times 10^5$

$$\begin{array}{r}
 20,000,000 \\
 + 360,000 \\
 \hline
 20,360,000 \\
 \hline
 \boxed{2.036 \times 10^7}
 \end{array}$$

② $27 \times 10^{-5} \ominus 1.2 \times 10^{-7}$

$$\begin{array}{r}
 0.00002700 \\
 - 0.00000012 \\
 \hline
 0.00002688 \\
 \hline
 2.688 \times 10^{-5}
 \end{array}$$

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On Own:

$$\textcircled{1} 3.2 \times 10^4 + 2 \times 10^2$$

$$\begin{array}{r} 32,000 + 200 \\ + \quad 200 \\ \hline 32,200 \end{array}$$

$$\boxed{3.22 \times 10^4}$$

$$\textcircled{2} 1.6 \times 10^8 - 2.3 \times 10^5$$

$$\begin{array}{r} 160,000,000 - 230,000 \\ - \quad 230,000 \\ \hline 159,770,000 \end{array}$$

$$\boxed{1.5977 \times 10^8}$$

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