SCIENTIFIC NOTATION

Simplify and express the answer in scientific notation.

$(2.78 \times 10^{-11}) + (3.2 \times 10^{-10})$

Make the exponents same before adding or subtracting.

$= (0.278 \times 10^{-10}) + (3.2 \times 10^{-10})$

$= \mathbf{3.478 \times 10^{-10}}$

1) $(8.6 \times 10^8) - (7.21 \times 10^8)$

5) $(9.27 \times 10^{10}) + (1.05 \times 10^9)$

2) $(1.14 \times 10^{13}) + (7.6 \times 10^{11})$

6) $(3.3 \times 10^{-6}) + (2.5 \times 10^{-5})$

3) $(4.5 \times 10^5) - (6.4 \times 10^4)$

7) $(7 \times 10^3) - (4 \times 10^2)$

4) $(6.1 \times 10^{-2}) - (6.8 \times 10^{-3})$

8) $(5.6 \times 10^5) + (5.51 \times 10^7)$

SCIENTIFIC NOTATION

Answer key

Simplify and express the answer in scientific notation.

$(2.78 \times 10^{-11}) + (3.2 \times 10^{-10})$

Make the exponents same before adding or subtracting.

$= (0.278 \times 10^{-10}) + (3.2 \times 10^{-10})$

$= \mathbf{3.478 \times 10^{-10}}$

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1) $(8.6 \times 10^8) - (7.21 \times 10^8)$

$\mathbf{1.39 \times 10^8}$

2) $(1.14 \times 10^{13}) + (7.6 \times 10^{11})$

$\mathbf{1.216 \times 10^{13}}$

3) $(4.5 \times 10^5) - (6.4 \times 10^4)$

$\mathbf{3.86 \times 10^5}$

4) $(6.1 \times 10^{-2}) - (6.8 \times 10^{-3})$

$\mathbf{5.42 \times 10^{-2}}$

5) $(9.27 \times 10^{10}) + (1.05 \times 10^9)$

$\mathbf{9.375 \times 10^{10}}$

6) $(3.3 \times 10^{-6}) + (2.5 \times 10^{-5})$

$\mathbf{2.83 \times 10^{-5}}$

7) $(7 \times 10^3) - (4 \times 10^2)$

$\mathbf{6.6 \times 10^3}$

8) $(5.6 \times 10^5) + (5.51 \times 10^7)$

$\mathbf{5.566 \times 10^7}$