Operations with Scientific Notation

Simplify each problem and express the answer in scientific notation.

1) $(8 \times 10^8) + (11 \times 10^7)$

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2) $\dfrac{18 \times 10^{-7}}{3 \times 10^2}$

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3) $(7 \times 10^{-3}) (9 \times 10^4)$

   _____

4) $(5 \times 10^{-1}) - (3 \times 10^{-2})$

   _____

5) $(6 \times 10^4) - (14 \times 10^1)$

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6) $(4 \times 10^5) (9 \times 10^3)$

   _____

7) $\dfrac{15 \times 10^{-7}}{2 \times 10^0}$

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8) $(17 \times 10^2) + (16 \times 10^{-2})$

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9) $(5 \times 10^2) (4 \times 10^{-3})$

   _____

10) $\dfrac{6 \times 10^9}{8 \times 10^6}$

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11) $(2 \times 10^{-2}) - (6 \times 10^{-5})$

    _____

12) $(3 \times 10^6) + (4 \times 10^3)$

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