Operations with Scientific Notation

Simplify each problem and express the answer in scientific notation.

1)
$$\frac{5.6 \times 10^4}{2.8 \times 10^3}$$

2)
$$(3.21 \times 10^{-3}) - (6.2 \times 10^{-4})$$

3) $(9.6 \times 10^{-7}) (1.8 \times 10^{-5})$

 $(4.7 \times 10^2) \pm (5.6 \times 10^5)$

Preview

5)

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7)

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9)
$$\frac{0.9 \times 10^{-4}}{7.2 \times 10^{-1}}$$

10)
$$(6.5 \times 10^{-2}) - (2.8 \times 10^{-3})$$

11)
$$(4.9 \times 10^4) (5.1 \times 10^8)$$

12)
$$(3.6 \times 10^{-2}) + (8.4 \times 10^{1})$$