

Name: _____

Date: _____ Score: _____

Adding, Subtracting, Multiplying, and Dividing in Scientific Notation

Add:

1) $(6.91 \times 10^{-2}) + (2.4 \times 10^{-3})$

2) $(3.4 \times 10^2) + (4.57 \times 10^3)$

Subtract:

3) $(8.14 \times 10^5) - (7.8 \times 10^2)$

4) $(5.9 \times 10^{-2}) - (0.0078 \times 10^3)$

Multiply:

5) $(9.2 \times 10^5)(4 \times 10^{-3})$

6) $(9.7 \times 10^{-3})^4$

Divide:

7) $\frac{4.6 \times 10^2}{5.01 \times 10^{-3}}$

8) $\frac{2.04 \times 10^{-1}}{2 \times 10^{-2}}$

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Answers

Add:

$$1) (6.91 \times 10^{-2}) + (2.4 \times 10^{-3})$$

$$\underline{7.15 \times 10^{-2}}$$

$$2) (3.4 \times 10^2) + (4.57 \times 10^3)$$

$$\underline{4.91 \times 10^3}$$

Subtract:

$$3) (8.14 \times 10^5) - (7.8 \times 10^2)$$

$$\underline{8.1322 \times 10^5}$$

$$4) (5.9 \times 10^{-2}) - (0.0078 \times 10^3)$$

$$\underline{-7.741 \times 10^1}$$

Multiply:

$$5) (9.2 \times 10^5)(4 \times 10^{-3})$$

$$\underline{3.68 \times 10^3}$$

$$6) (9.7 \times 10^{-3})^4$$

$$\underline{8.853 \times 10^{-9}}$$

Divide:

$$7) \frac{4.6 \times 10^2}{5.01 \times 10^{-3}}$$

$$\underline{9.182 \times 10^4}$$

$$8) \frac{2.04 \times 10^{-1}}{2 \times 10^{-2}}$$

$$\underline{1.02 \times 10^1}$$