

Name: _____

Date: _____

[5 pt] 1. Solve the following problems. Show all work. Express your answers to the proper number of Significant Figures. Use Scientific Notation where appropriate.

(a) 125×0.23

1(a) _____

(b) $(1.258 \times 10^4)(2.5 \times 10^2)$

1(b) _____

(c) $\frac{0.4278}{59.6}$

1(c) _____

(d) $\frac{(452)(6.2)}{14.3}$

1(d) _____

(e) 50.50×24

1(e) _____

[5 pt] 2. Solve the following problems. Show all work. Express your answers to the proper number of Significant Figures. Use Scientific Notation where appropriate.

(a) $0.25 + 1.5 + 0.855$

2(a) _____

(b) $12.62 + 1.5 + 0.25$

2(b) _____

(c) $12,000 + 34.56 + 1250.00$

2(c) _____

(d) $0.0050 - 0.0012 - 0.00075$

2(d) _____

(e) $65.45 + 19.2 - 1.50$

2(e) _____

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[5 pt] 3. Solve the following problems. Show all work. Express your answers to the proper number of Significant Figures. Use Scientific Notation where appropriate.

(a) $(0.0025)(12.50)$ 3(a) _____

(b) $25,000 + 250.5 + 9500$ 3(b) _____

(c) $\frac{200.0}{5.0}$ 3(c) _____

(d) $(0.00160)(0.075)$ 3(d) _____

(e) $(2.75 \times 10^{-13})(4.580 \times 10^{-3})$ 3(e) _____

[5 pt] 4. Solve the following problems. Show all work. Express your answers to the proper number of Significant Figures. Use Scientific Notation where appropriate.

(a) $\frac{2.85 \times 10^{12}}{3.0 \times 10^5}$ 4(a) _____

(b) $1.255 + 1.65 + 3.750$ 4(b) _____

(c) $\frac{18.0}{24.00}$ 4(c) _____

(d) $18.50 + 125.5 - 50$ 4(d) _____

(e) $(1.95 \times 10^{-13})(2.547 \times 10^8)$ 4(e) _____