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) $\dfrac{0.4278}{59.6}$ 1(c) _____

(d) $\dfrac{(452)(6.2)}{14.3}$ 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) _____

[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) $\dfrac{200.0}{5.0}$ 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) $\dfrac{2.85 \times 10^{12}}{3.0 \times 10^{5}}$ 4(a) _____

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

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

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

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