

University Physics II

Answer Sheet – Homework Set 1

Questions beginning with ** do not have answers on this sheet.

$$157.5 \text{ N } \hat{x}$$

$$108000 \text{ N/C } \hat{x} - 62428.6 \text{ N/C } \hat{y}$$

$$8.75 \times 10^{-8} \text{ N}$$

$$6.24 \times 10^{18} e^{-} \cdot s$$

$$257.5^{\circ}$$

$$1.38 \times 10^{-5} \text{ N}$$

$$2.61 \times 10^{24} \text{ protons}$$

$$49.37 \text{ N/m}$$

$$-46.8 \text{ N } \hat{x}$$

$$2.02 \times 10^{-5} \text{ C}$$

$$584.9 \text{ N}$$

$$4.178 \times 10^5 \text{ C}$$

$$0.756 \text{ N } \hat{x} - 0.437 \text{ N } \hat{y}$$

$$-110.7 \text{ N } \hat{x}$$

$$1.346 \times 10^{-9} \text{ C}$$

$$9.22 \times 10^{-10} \text{ N}$$

$$2068.9 \text{ N/C}$$

$$5.25 \times 10^{-6} \text{ C}$$

$$0.299 \text{ m}$$