

University Physics I

Answer Sheet – Homework Set 6

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

$$2.5 \times 10^{-7} \hat{x} \text{ (N)}$$

$$844.3 \hat{x} + 507.3 \hat{y} \text{ (N)}$$

$$179.4 \hat{x} + 847.4 \hat{y} \text{ (N)}$$

$$-247.3 \hat{x} - 328.2 \hat{y} \text{ (N)}$$

$$-417.6 \hat{x} + 668.3 \hat{y} \text{ (N)}$$

$$6 \hat{x} + 15 \hat{y} \text{ (N)}$$

$$35317.2 \text{ N}$$

$$825 \text{ N}$$

$$16.2 \text{ N}$$

$$866.2 \text{ N}$$

$$50 \text{ N}$$

$$13350 \text{ N}$$

$$1363.6 \text{ kg}$$

$$2.08 \times 10^{-9} \text{ m/s}^2$$

$$2.59 \text{ N}$$

$$9.789 \text{ m/s}^2$$

$$15.3 \text{ days}$$

$$3180 \text{ km}$$

$$78^\circ$$

$$282.3 \text{ kg}$$

$$2.45 \text{ m/s}^2$$

$$2.45 \text{ m} \text{ or } 1.55 \text{ m} \text{ (depending on how you set up the problem)}$$