

1/1

$$(a) \ m = \frac{W}{g} = \frac{3500}{32.2} = \underline{108.7 \text{ slugs}}$$

$$(b) \ W = 3500 \text{ lb} \left[\frac{4.4482 \text{ N}}{\text{lb}} \right] = \underline{15\,570 \text{ N}}$$

$$(c) \ m = \frac{W}{g} = \frac{15\,570}{9.81} = \underline{1587 \text{ kg}}$$

WILEY