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$$(a) m = \frac{W}{g} = \frac{3600}{32.2} = \underline{111.8 \text{ slugs}}$$

$$(b) W = 3600 \text{ lb} \left[ \frac{4.4482 \text{ N}}{\text{lb}} \right] = \underline{16010 \text{ N}}$$

$$(c) m = \frac{W}{g} = \frac{16010}{9.81} = \underline{1632 \text{ kg}}$$

$$\left( \text{or } m = 111.8 \text{ slugs} \left[ \frac{14.594 \text{ kg}}{\text{slug}} \right] = 1632 \text{ kg} \right)$$