

# My Title

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## 1 My Special Header

$$F_g := mg$$

$$U := F_g h$$

$$m := 10000 \text{ g}$$

$$g := 9.81 \text{ m s}^{-2}$$

$$h := 10 \text{ m}$$

## 2 Evaluation

$$U = (mg)h$$

$$981.00000000000001 \text{ J}$$

$$F_g = mg$$

$$98.10000000000001 \text{ N}$$