

20080521-1609

Class _____ Name _____

A 75.00 kg object is lifted to a height of 25.00 meters above the earth. It is released so it can fall toward the earth.

- A) Find PE at top = _____
- B) Find KE at top = _____
- C) Find PE at ground after fall = _____
- D) Find KE as object reaches the ground = _____
- E) Find work done to lift it up = _____
- F) Find its final momentum as it hits = _____
- G) Find its velocity at $t = 1.500 \text{ sec} =$ _____
- H) Find the total time it takes to fall = _____
- I) Find its momentum at time = 1.500 sec = _____
- J) Find its impulse at $t = 1.500 \text{ sec} =$ _____