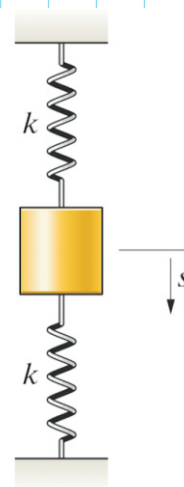**WEEK:** _____   **PROBLEM:** _____

GIVEN:

The springs $(k = 25$ lb/ft) are un-stretched when $s = 0$. The 50-lb weight is released from rest in the position $s = 0$.

(a) When the weight has fallen 1 ft, how much work has been done on it by each spring?

(b) What is the magnitude of the velocity of the weight when it has fallen 1 ft?

REQUIRED:

SOLUTION: