9. [15 points] Suppose that $W(h)$ is an invertible function which tells us how many gallons of water an oak tree of height $h$ feet uses on a hot summer day.
a. [9 points] Give practical interpretations for each of the following quantities or statements.

- $W(50)$
- $W^{-1}(40)$
- $W^{\prime}(5)=3$
b. [6 points] Suppose that an average oak tree is $A$ feet tall and uses $G$ gallons of water on a hot summer day. Answer each of the questions below in terms of the function $W$. You may also use the constants $A$ and/or $G$ in your answers.
- A farmer has a grove with 25 oak trees, and each one is 10 feet taller than an average oak tree. How much water will be used by his trees during a hot summer day?
- The farmer also has some oak trees which each use 5 fewer gallons of water on a hot summer day than an average oak tree does. How tall is one of these trees?

