

Quiz 3

Name: _____

1. Find the antiderivatives:

$$f(x) = \sqrt[3]{2x+1} + x, \quad F(x) =$$

$$h(t) = 4 \cdot 11^{2t}, \quad H(t) =$$

2. Our favorite jogger runs for a hour so that her speed is given by the graph below:

- (a) Give estimates for the distance she has traveled

- i. During the first 15 mins
- ii. The first half hour
- iii. The first 45 minutes
- iv. The entire hour

- (b) Graph the distance she has traveled as a function of time.