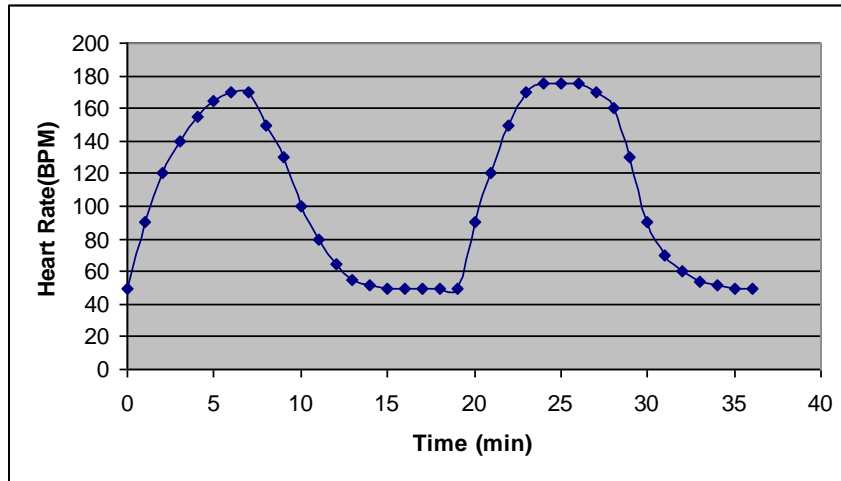


Name: _____

QUIZ 24 – MATH GRADE 9

1. (100%) The following function describes the heart rate in BPM (H) of a football player during practice as a function of the time (t) in minutes.



- a. (16%) Write down: the domain: _____ The Range: _____
- b. (10%) $H(t) = 120$, $t =$ _____
- c. (10%) $H(0) =$ _____ $H(32) =$ _____
- d. (9%) $H(\text{ }) = 140 = H(\text{ }) = H(\text{ })$
- e. (5%) $H(5) < H(20)$ True/False
- f. (10%) Where is the function increasing? _____
- g. (10%) Where is the function decreasing? _____
- h. (16%) Intensive practice is considered when the heart rate is above 140 BPM.
- I. (8%) When did the intensive practice take place? _____
- II. (8%) How much time in total did the player had intensive practice? _____
- i. (5%) What is the heart rate of the player at rest? _____
- j. (9%) When was the heart rate of the player below 100 BPM? _____