T- test Assignment.

1.
$$\mu = 72 \text{ beats/min}$$

$$t = \frac{x - \mu}{5n}$$

$$n = 25$$

after 6 month, $\mu = 69 \text{ beets/min}$

$$t = 69-72$$

$$= -2.3$$

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for 0.05 significance and dif = 24 =) 2.064

Since t does not lie greater than 2.064 there is significant variation of ufitness with workout.

$$2. n = 30$$

$$\overline{X} = 17$$

$$t = \frac{17 - 15}{5.5} = 2$$

If two-tailed test, accept the null hypothesis since it value is within stange.

If core-tailed then Isig => 1.699, hence reject the null.