**2. Answer following questions:**

***1. Why do we need machine learning methods instead of creating a complicated formula?***

Ans:Because we want a General Solution to solve a seties of problems.

***2. Wha't's the disadvantages of the 1st Random Choosen methods in our course?***

Ans: High time complexity and low accuracy.

***3. Is the 2nd method supervised direction better than 1st one? What's the disadvantages of the 2nd supversied directinmethod?***

Ans: Generalization is not high

***4. Why do we use Derivative / Gredient to fit a target function?***

Ans:Along the direction can cause better estimation.

***5. In the words 'Gredient Descent', what's the Gredient and what's the Descent?***

Ans:Gredient is the direction that yhat closed to the optimal solution;

Descent means how we update our parameters.

***6. What's the advantages of the 3rd gradient descent method compared to the previous methods?***

Ans: Generalization is higher,and has higher precision

***7. Using the simple words to describe: What's the machine leanring.***

Ans:The machine trains datas to generate a optimal solution,and human teach machine how to train datas.