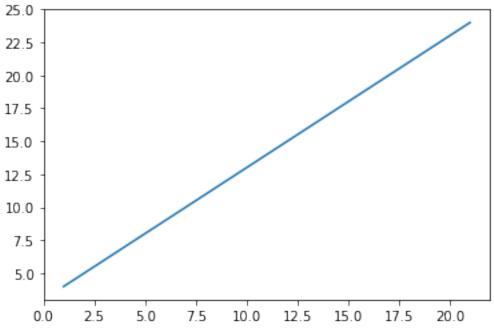
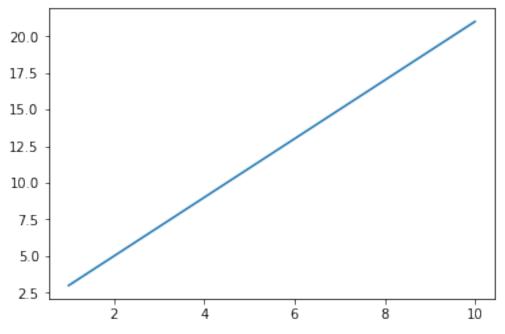
Untitled7

June 7, 2019





```
In [127]: # question 3
          import numpy as np
In [128]: from sklearn.linear_model import LinearRegression
In [62]: from scipy import stats
         import numpy as np
In [77]: #question 4
         #x = [1,2,3,4,5,6,7,8,9,10]
         from scipy import stats
In [110]: from sklearn.linear_model import LinearRegression
          import numpy as np
In [111]:
          x = [1,2,3,4,5,6,7,8,9,10]
In [112]: y = [3,5,7,9,11,13,15,17,19,21]
In [113]: slope, intercept, r_value, p_value, std_err = stats.linregress(x,y)
In [114]: print("r-squared:", r_value**2)
r-squared: 1.0
In [115]: print(slope)
2.0
In [116]: print(intercept)
1.0
In [117]: print(r_value)
1.0
In [118]: print(p_value)
4.375000000000076e-80
In [119]: print(std_err)
0.0
In [107]:
In [108]:
In []:
```