Resultados da ficha 2

#_____ex1_____

#a)

```
def f(x):
    return math.cos(x)+math.exp(x)
```

#ou

```
def f(x):
    return np.cos(x)+np.exp(x)
```

#b)

2.0

22.140692632779267

#c)

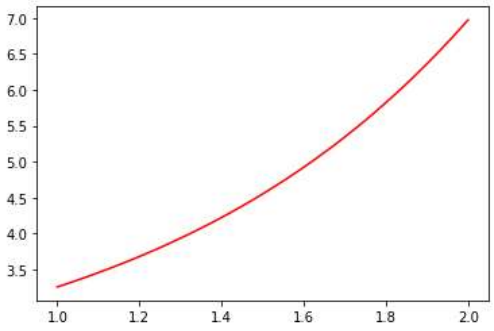
```
[1.         1.01030928 1.02061856 1.03092784 1.04123711 1.05154639
 1.06185567 1.07216495 1.08247423 1.09278351 1.10309278 1.11340206
 1.12371134 1.13402062 1.1443299  1.15463918 1.16494845 1.17525773
 1.18556701 1.19587629 1.20618557 1.21649485 1.22680412 1.2371134
 1.24742268 1.25773196 1.26804124 1.27835052 1.28865979 1.29896907
 1.30927835 1.31958763 1.32989691 1.34020619 1.35051546 1.36082474
 1.37113402 1.3814433  1.39175258 1.40206186 1.41237113 1.42268041
 1.43298969 1.44329897 1.45360825 1.46391753 1.4742268  1.48453608
 1.49484536 1.50515464 1.51546392 1.5257732  1.53608247 1.54639175
 1.55670103 1.56701031 1.57731959 1.58762887 1.59793814 1.60824742
 1.6185567  1.62886598 1.63917526 1.64948454 1.65979381 1.67010309
 1.68041237 1.69072165 1.70103093 1.71134021 1.72164948 1.73195876
 1.74226804 1.75257732 1.7628866  1.77319588 1.78350515 1.79381443
 1.80412371 1.81443299 1.82474227 1.83505155 1.84536082 1.8556701
 1.86597938 1.87628866 1.88659794 1.89690722 1.90721649 1.91752577
 1.92783505 1.93814433 1.94845361 1.95876289 1.96907216 1.97938144
 1.98969072 2.       ]
```

#d)

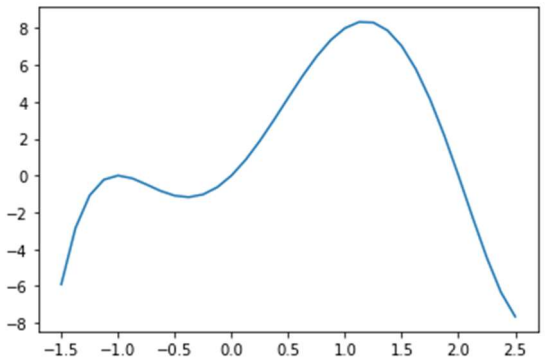
```
[3.25858413 3.27804909 3.29774945 3.31768916 3.33787222 3.35830266
 3.37898455 3.39992199 3.42111914 3.44258016 3.46430929 3.48631078
 3.50858893 3.53114808 3.55399261 3.57712695 3.60055553 3.62428288
 3.64831352 3.67265203 3.69730304 3.72227122 3.74756126 3.77317791
 3.79912596 3.82541025 3.85203564 3.87900707 3.90632948 3.93400788
 3.96204733 3.99045292 4.01922978 4.0483831  4.07791811 4.10784009
```

```
 4.13815435 4.16886627 4.19998125 4.23150476 4.2634423  4.29579944
 4.32858178 4.36179497 4.39544471 4.42953676 4.46407691 4.49907102
 4.53452498 4.57044476 4.60683635 4.64370581 4.68105925 4.71890282
 4.75724274 4.79608527 4.83543674 4.87530351 4.91569202 4.95660875
 4.99806024 5.04005308 5.08259392 5.12568948 5.16934651 5.21357185
 5.25837237 5.30375502 5.34972679 5.39629474 5.443466   5.49124775
 5.53964723 5.58867175 5.63832867 5.68862542 5.7395695  5.79116847
 5.84342995 5.89636164 5.94997127 6.00426669 6.05925576 6.11494647
 6.17134681 6.22846491 6.2863089  6.34488704 6.40420762 6.46427902
 6.5251097  6.58670816 6.64908302 6.71224294 6.77619666 6.84095301
 6.90652089 6.97290926]
```

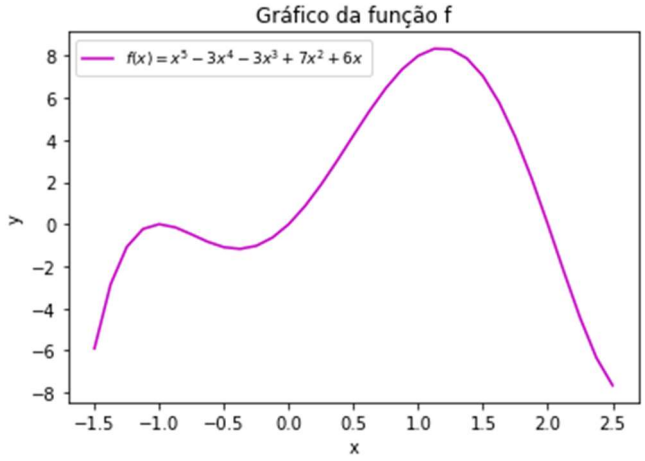
#e)



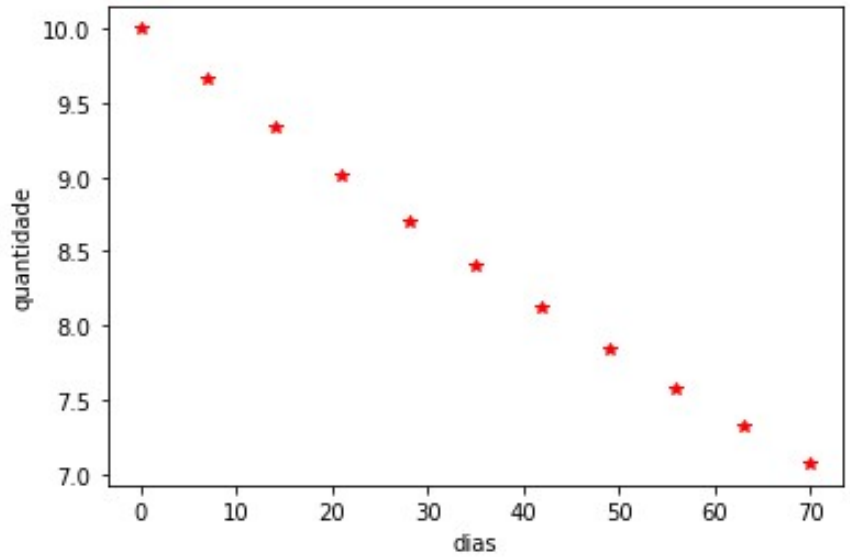
#_____ex2_____



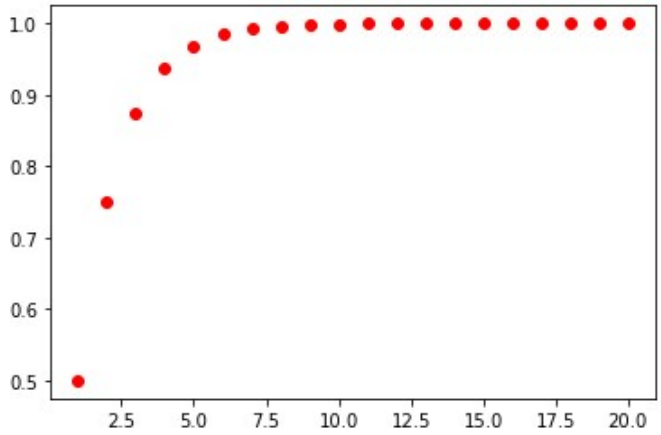
#ou




```
#_____________________________ex3_____________________________
[9.65936329 9.33032992 9.01250463 8.70550563 8.40896415 8.12252396
 7.84584098 7.57858283 7.32042848 7.07106781]
```




```
#_____________________________ex4_____________________________
#a)
```

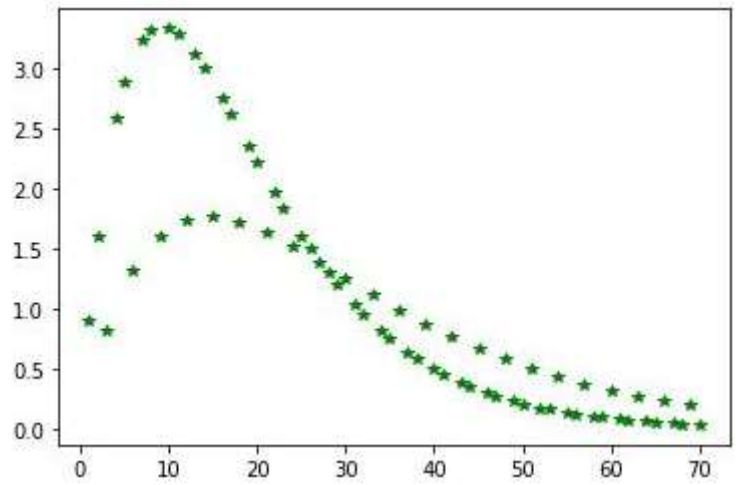


#b)

O menor valor de n é 34

#_____ex5_____

#a)



#b)

n = 19