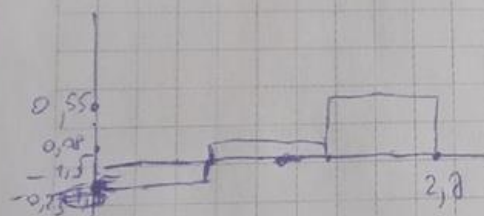


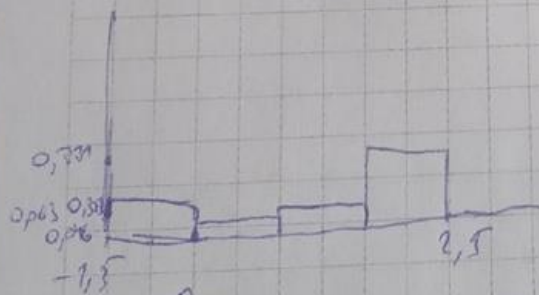
ТБМС - 12

$$\vec{X} = \langle X_1, \dots, X_{10} \rangle = \langle -1,26; 0,63; 0,48; -0,52; 1,88; 1,61; -1,45; 1,62; 2,5; -0,03 \rangle$$

1) 3 интервала: $[-1,5; 2,7]$; $[-1,5; -0,1]$; $[0,1; 1,3]$
 $[1,3; 2,7]$



4 интервала: $[-1,5; 2,5]$; $[-1,5; -0,5]$; $[-0,5; 0,5]$; $[0,5; 1,5]$; $[1,5; 2,5]$



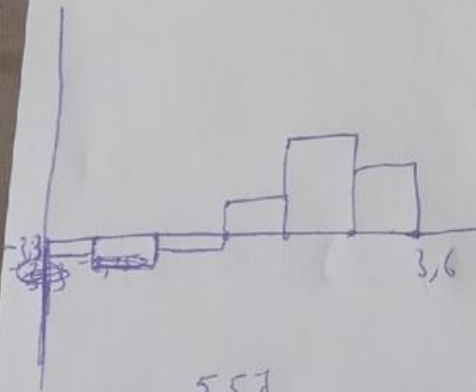
2) Экспоненциальное распределение.

2) а) ~~12~~

$-3,3; -1,85; -1,7; -1,52; -1,42; -0,83; -0,76; -0,48; -0,38;$
 $-0,04; 0,11; 0,16; 0,40; 0,42; 0,82; 1,1; 1,11; 1,15;$
 $1,23; 1,48; 1,56; 1,6; 1,7; 1,77; 1,8; 1,88; 2,34; 2,87;$
 $3,31; 3,6.$

$[-3,3; 3,6]; [-3,3; -2,15); [-2,15; -1); [-1; 0,15);$
 $3,15 - \text{открыто}$

$[0,15; 1,3); [1,3; 2,45); [2,45; 3,6]$



$$3) \bar{x} = \frac{5,57}{10} \approx 0,56$$

$$D = \frac{16,883}{10} \approx 1,68$$

$$\sigma = \sqrt{1,688} \approx 1,288$$