2.b

Matlab Code...

```
d1 = 0.04;
d2 = 0.06;
d3 = 0.07;
d4 = 0.08;
d5 = 0.08;
d6 = 0.07;
d7 = 0.07;
d8 = 0.06;
d9 = 0.06;
d10 = 0.06;
d11 = 0.06;
d12 = 0.07;
d13 = 0.09;
d14 = 0.13;

prompt_a = 'How Many Samples ?';
x = input(prompt_a);
x_arr = zeros(x,1);

for a1 = 1:+1:d1*x
x_arr(a1)=1;
end

for a2 = a1+1:+1:a1+d2*x
x_arr(a2)=2;
end
for a3 = a2+1:+1:a2+d3*x
x_arr(a3)=3;
end
for a4 = a3+1:+1:a3+d4*x
x_arr(a4)=4;
end
for a5 = a4+1:+1:a4+d5*x
x_arr(a5)=5;
end
for a6 = a5+1:+1:a5+d6*x
x_arr(a6)=6;
end
for a7 = a6+1:+1:a6+d7*x
x_arr(a7)=7;
end
```

```
for a8 = a7+1:+1:a7+d8*x
x_arr(a8)=8;
end
for a9 = a8+1:+1:a8+d9*x
x_arr(a9)=9;
end
for a10 = a9+1:+1:a9+d10*x
x_arr(a10)=10;
end
for a11 = a10+1:+1:a10+d11*x
x_arr(a11)=11;
end
for a12 = a11+1:+1:a11+d12*x
x_arr(a12)=12;
end
for a13 = a12+1:+1:a12+d13*x
x_arr(a13)=13;
end
for a14 = a13+1:+1:a13+d14*x
x_arr(a14)=14;
end

histogram(x_arr,'Normalization','probability');
```

Opinion...
They look a like because I've applied same possibility to each element