0.192108

QYESTION1:
=BINOM.DIST(5,30,1/6,FALSE)
ANSWER: 0.1921 0r 19.21%

0.170445
0.1359
0.907838
0.566445
0.469292
0.334981
0.132362
0.810144
0.264107
0.639007
0.612309
0.260429
0.251753
0.630678
0.840093
0.12316
0.707894
0.384787
0.04689
0.03131
0.106833
0.041036
0.79844
0.165319
0.052732
0.453291
0.143675
0.876034
0.289464
0.889599
0.878687
0.165059
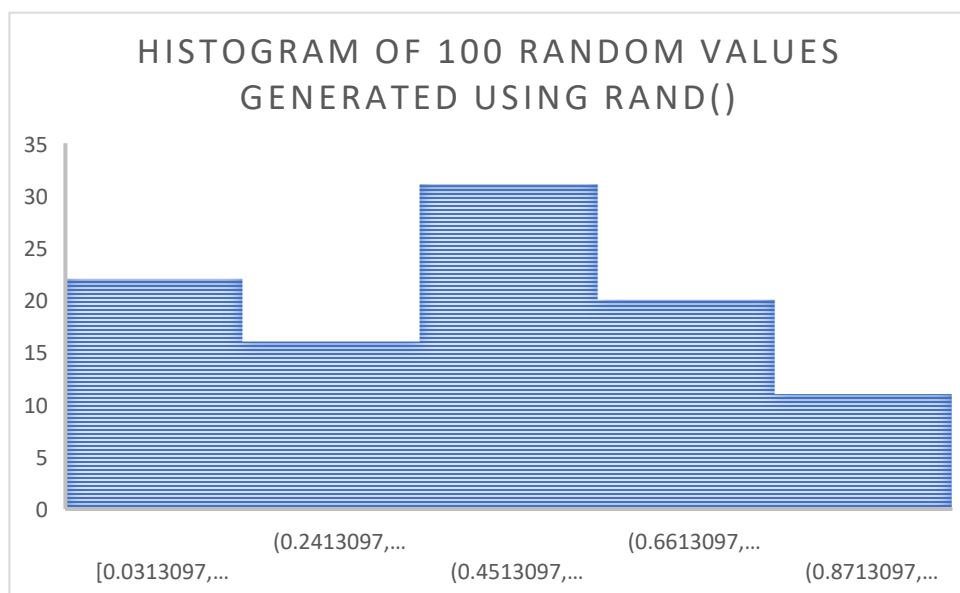0.355069
0.90622
0.976483
0.484279
0.410174
0.586979
0.803295
0.671742
0.533689
0.293469

HISTOGRAM OF 100 RANDOM VALUES GENERATED USING RAND()

0.249869

0.454405

0.277656

0.132146

0.611945

0.452132

0.994286

0.211356

0.560286

0.785757

0.500906

0.879029

0.968305

0.614636

0.57174

0.594662

0.818532

0.656586

0.767901

0.56312

0.699725

0.792928

0.417409

0.112966

0.070699

0.631886

0.365354

0.171525

0.857169

0.798927

0.167286

0.036346

0.697284

0.579204

0.812019

0.65921

0.867599

0.053597

0.589007

0.465283

0.528551

0.664804

0.649296

0.47132

0.684097

0.919435

0.130579

QUESTION 2: The histogram shows an approximately uniform distribution. The values are spread evenly between 0 and 1, with no central peak or skewness. Minor variations occur due to randomness, but the overall distribution remains flat.

0.706697
0.299671
0.481813
0.460165
0.115556
0.44308
0.461615
0.570031
0.946919
0.718789
0.339345

0.5

QUESTION 7: Reason: When probability is 0.5 and trials are odd, the distribution is symmentric, so half the probability lies above the center.