

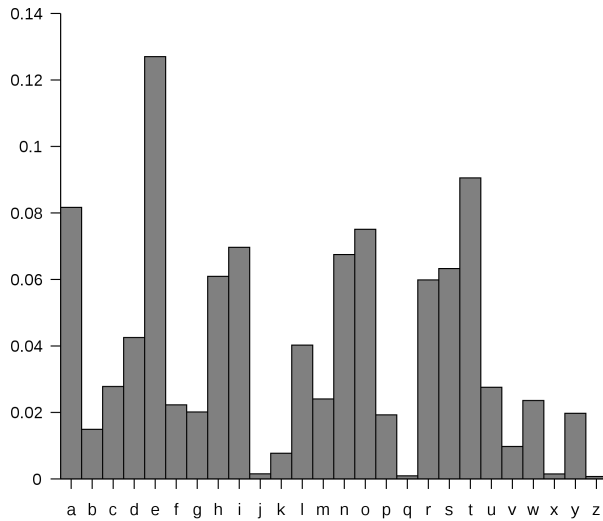
Name:

Date: Monday, September 19, 2016

MATH 181 F1 Worksheet: Data Compression

Question 1:

What do the following represent? How are they related?



A --	J ----	S ...	1 -----
B ----	K ---	T -	2 -----
C ----	L ----	U ...	3 -----
D ---	M --	V ----	4 -----
E .	N --	W ---	5
F ----	O ----	X ----	6
G ---	P ----	Y ----	7
H	Q ----	Z ----	8
I ..	R ---	0 -----	9

Question 2:

Find the Huffman tree representing the following symbols and probabilities.

- A 0.29
- B 0.04
- C 0.10
- D 0.16
- E 0.41