Jude Renwell B. Prodigalidad

Exercise 2
COM231-ML

1:2

	A	B	C	D	E	F
A	0	10.04	45.27	60.9	50.8	25.17
B	10.04	0	35.22	50.35	40.79	15.13
C	45.27	35.22	0	15.13	6.4	20.09
D	60.9	50.35	15.13	0	10.19	35.22
E	50.8	40.79	6.4	10.19	0	25.7
F	25.17	15.13	20.09	35.22	25.7	0

$AB = \sqrt{(1-2)^2 + (20-10)^2} = 10.04$"

$AC = \sqrt{(1-6)^2 + (55-10)^2} = 45.27$"

$AD = \sqrt{(1-8)^2 + (70-10)^2} = 60.4$"

$AE = \sqrt{(10-1)^2 + (60-10)^2} = 50.8$"

$AF = \sqrt{(4-1)^2 + (35-10)^2} = 25.17$"

$BC = \sqrt{(2-6)^2 + (55-20)^2} = 35.22$"

$BD = \sqrt{(2-8)^2 + (70-20)^2} = 50.35$"

$BE = \sqrt{(2-10)^2 + (60-20)^2} = 40.79$"

$BF = \sqrt{(2-4)^2 + (35-20)^2} = 15.13$"

$CD = \sqrt{(6-8)^2 + (60-55)^2} = 15.13$"

$CE = \sqrt{(6-10)^2 + (70-55)^2} = 6.4$"

$CF = \sqrt{(6-4)^2 + (35-55)^2} = 20.09$"

$DE = \sqrt{(10-8)^2 + (60-70)^2} = 10.19$"

$DF = \sqrt{(4-8)^2 + (35-70)^2} = 35.22$"

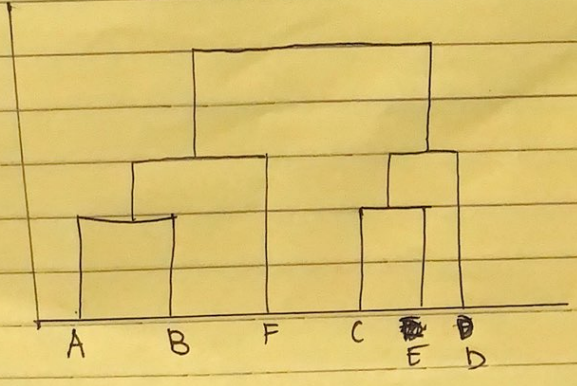
$EF = \sqrt{(10-4)^2 + (35-60)^2} = 25.7$"

3.-5.)

CE = 6.4"
AB = 10.04"
DCE = 10.19"
FAB = 15.13"
FABDCE = 25.7

AB = 10.04
DE = 10.19
CDE = 15.25
FCDE = 20.09
ABFCDE = 35.17

CE = 6.4"
AB = 10.04"
DCE = 10.19"
FAB = 15.13"
FABDCE = 20.09"



6. Cluster ~~ABD~~ TAD are low rollers who spends time and money casually in the casino since they spend about $10-35 per visit, while the DCE are High rollers those who are VIP's that spend a lot of time and money per visit a money spending loss - 70 per visit.