Math	1116	Quiz #3	Spring	2013
iviatii	TIIO,	Quiz #3	, opring	ZUIS

Instructions: Show all work. Be sure to answer all parts of each question.

- 1. Consider the weighted voting system given by [q: 18, 12, 10, 7, 5, 5, 3, 1, 1, 1].
 - How many players are in this voting system?

10 players,

b. What is the minimum possible value of the quota for this system?

32_

What is the largest possible value for the quota for this system?

63

d. What would the value of the quota be in 2/3 of the total weighted votes are needed to pass a measure?

e. For the value of q=38, are there any dummies? Dictators?

no dichatalors, no dummies

For the value of q=38, does anyone have veto power?

[Consider the Coalition EP1, P2, P4, P8]

lue of q=38, does anyone have veto power?

last player is critical

NO

g. List three winning coalitions. $\zeta = 38$

SP1, P2, P33 9 Pl, P2, P4, P5} & PI, P2, P4, P8} ¿ p2, P3, P4, P5, P63

answers will vary