Scale:		
V=points	Quiz B: 7/25/16	Name
82=75	Quit 21.1,20,20	
79=23	Assume Kellogg has a standard deviation of returns of 10% and an expected return of 10%. Assume also that Amazon has a standard deviation of returns of 25% and an expected return of 20%. And assume that the correlation between the returns on Kellogg and Amazon equals +0.3. Note: Answer all of the following questions with a single graph. Just be sure to identify which part of the graph	
78=72		
74=68	answers which question.	
72=66	a. If you can take long or short positions in Kellogg and Amazon, identify a portfolio that allows you to have a standard deviation of returns of 20%. Identify the highest expected return portfolio you can build that allows you to earn your desired standard deviation.	
70=65	b. Assume you can also take long or short positions in Treasuries that earn a 3% return. How does the expected	
54=55	return of your best portfolio (that allows you to have a Are you better off or worse off?	a standard deviation of returns of 20%) compare to part a?
52=53	c. Assume the correlation between Kellogg and Amazon rises. How does the expected return of your best portfolio (that allows you to have a standard deviation of returns of 20%) compare to part b? Are you better off or worse	
44=49	off? 100k. d. Have you invested more in Treasuries of the portfolio of Kellogg and Amazon in parts b and c?	
47=47 40=45		
40=45		
38=43 VE	(R) (/. ,
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	(c)Lyny	NV 50
	20 +	A
	11/11/1	
	100	1
		•
	(P) (C)	•

b. better off - 100

10

c. Worse off Jm

100,000 of Treasuries + invest 700,000 in part follo 13 Amazon d. Short sell + Kellogg in part b. Short sell Mire than 100,000 of Treasuries in part C+invest more than 200,000 in portfolion partc.

SD