Scale	
71=75	Quiz A for 1:15 Class: 7/18/12 Name Key
69=74	Answer the following questions on the same graph assuming you can buy or short-sell any of the following
2770	assets. Assume also that you wish to earn an expected return of 25% in each of the questions.
67570	Asset Expected Return Standard Deviation Apple 22% 31%
61= 65	Kellogg 10% 18% T-bills 3% 0%
60766	The correlation between Apple and Kellogg is 0.1.
59764	On the graph:
57563	
0) 561	a. If you limit yourself to only buying shares of Apple and Kellogg, show the possible portfolios you could build and identify on your graph your best possible portfolio and the risk of this portfolio.
10459 8	b. How would your answer in "a" change if you also allow yourself to short-sell Apple or Kellogg? Show on your graph how much better off or worse off you are.
18-55 18-55	
78 = 55	d. Show whether you are better off or worse off if the return on T-bills falls before you can set everything up.
Ded .	Written answer (not on the graph):
285	e. What transactions will be required to build your portfolio in part "a"?
10251 30	f. What transactions will be required to shift from the portfolio you build in "b".
10 101	g. What transactions will be required to shift from the portfolio you build in "b" to the portfolio you build in "c"?  (c) \(\frac{1}{2}\) \(\frac{1}{2}\) \(\frac{1}{2}\) \(\frac{1}{2}\)
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