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Name_ Key

Assume you are considering investing \$100,000 in a mix of T-bills which earn a 1% return, Cola-Cola which has an expected return of 12% and a standard deviation of returns of 18%, and Flight Analytics Inc. which has an expected return of 27% and a standard deviation of returns of 39%. Assume that the correlation between Cola-Cola and Flight Analytics is -0.2.

- a. Sketch a graph of the possible combinations of expected return and standard deviation that you could achieve if you limit yourself to positions (long or short) in Cola-Cola and Flight Analytics.
- b. On the same graph you used to answer "a", identify the best portfolio that would allow you to earn 30%. What is the approximate mix of assets in this portfolio? Approximate best portfolio that would allow you to earn 30% if c. On the same graph you used to answer "a" and "b", identify the best portfolio that would allow you to earn 30% if
- you also allow some sort of position in T-bills.

d. Assume that the risk-free rate rises to 10%, but that nothing else changes. Identify your new best portfolio and show how much better or worse off you are in "d" than "c".

