Name:

Quiz 13, Attempt 1

13. Twelve pairs of twin male lambs were selected; diet plan I was given to one twin and diet plan II to the other twin in each case. The weights at eight months were as follows.

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Diet I: 111 102 90 110 108 125 99 121 133 115 90 101

Diet II: 97 90 96 95 110 107 85 104 119 98 97 104

Determine if diet plan 1 produces different weights than diet plan 2. Use a 2-sided alternative. Find the p-value from a paired sign test (expressed in terms of an appropriate CDF). Also find the p-value from a paired signed-rank test (give the number).

For the second part we use only the last 3 sets of lambs (for tractability).