

MAT 331 Fall 2017, Practice Quiz 5
Quiz 5 on Tuesday, November 14, 2017 (30 minutes)

Name	ID	Score
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All answers are capital letters. Put one letter in each box.

For problems 1,3,4,6 the answer will be an English word.

(1)

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Decode from ASCII: 74,65,89,87,65,76,75,73,78,71

(2)

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Encode the following word with the Caesar code using a shift of 10: JACKHAMMER

(3)

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This was coded using the Caesar code with a shift of 3. Decode the word: PDGDJDVFDU

(4)

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This was coded using the Caesar code with an unknown shift (but the same for every letter). Decode the word: GITTULYFFU

(5)

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Convert letters to numbers 0-25, to get a sequence of plain-text p_1, p_2, \dots and define the cypher text by $c_1 = p_1$ to begin and $c_n = (p_n + p_{n-1}) \pmod{26}$ in general. Encode the following word: "INTERMEZZO"

(6)

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Using the same code as in (5), decode: "QKCHLMSLV" (The answer will be a 10-letter English word.)