

Student Name: _____

Score: _____

Inverse matrix - Decoding message

Using the substitution scheme,

1	2	3	4	5	6	7	8	9	10	11	12	13
↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓
A	B	C	D	E	F	G	H	I	J	K	L	M
14	15	16	17	18	19	20	21	22	23	24	25	26
↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓
N	O	P	Q	R	S	T	U	V	W	X	Y	Z

and matrix $A = \begin{bmatrix} 3 & 5 \\ 1 & 4 \end{bmatrix}$

Decode the follow

109, 55, 145, 81, 1
66, 74, 34

64, 33, 115, 85, 64

111, 58, 85, 61, 47

96, 67, 66, 36

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52, 104, 79

77, 41, 16, 62, 30

99, 100, 52

108, 64, 20, 9, 82, 39

Student Name: _____

Score: _____

Answer Key

Inverse matrix - Decoding message

109, 55, 145, 81, 145, 95, 165, 111, 93, 66, 74, 34:

105, 63, 140, 77, 93, 52, 104, 79:

OLYMPICS

WHY NOT OXFORD

64, 33, 115, 85, 64

PREVIEW

77, 41, 16, 62, 30:

MEET ME

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111, 58, 85, 61, 47

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99, 100, 52:

VIENNA

96, 67, 66, 36:

GOLF

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