

12.4 Corrective Assignment – Encoding Messages

For 1-2, use the given encoding matrix to ENCODE the words or phrases.

1. Encoding Matrix = $\begin{bmatrix} -2 & 5 \\ 3 & 0 \end{bmatrix}$, message = *Surfs up*

2. Encoding Matrix = $\begin{bmatrix} 3 & 2 \\ 9 & 2 \end{bmatrix}$, message = *The Eifel Tower*

For 3-4, use the given encoding matrix to DECODE the numbers into a word or phrase.

3. Encoding Matrix = $\begin{bmatrix} 9 & 5 \\ 9 & 2 \end{bmatrix}$,
Encoded message = 36 17 351 138 9 2 162 78 36 8 198 89 171 95

4. Encoding Matrix = $\begin{bmatrix} -7 & 9 \\ -2 & -9 \end{bmatrix}$,
Encoded message = -45 120 -34 86 -65 52 -85 131 -130 125

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1. 25 95 -18 90 -38 95 6 105

2. 132 56 15 10 96 28 63 22 36 24 195 70 114 56 54 36

3. Cats and dogs

4. Send money