Name:

1. [3pts] For vectors v = [−2, 5, 1] and u = [3, 0, 1], find the following vectors:
2. [3pts] Here are six 7-vectors over GF(2):

|  |  |
| --- | --- |
|  |  |

For each of the following vectors , find a subset of the above vectors whose sum is , or report that no such subset exists.

1. [4pts] Show that the set of all n-vectors over *GF*(2) is a field