1. The vector v = (6, 3, 5, 7, 7) can be written as v = $c_1v_1 + c_2v_2 + c_3v_3 + c_4v_4$, where $\{v_1, v_2, v_3, v_4\}$ is the orthogonal set with

 $v_1 = (1, 0, 1, 0, 1), v_2 = (0, 1, -1, 1, 1), v_3 = (-1, 0, 1, 1, 0), and v_4 = (1, 0, 0, 1, -1),$ Then, $(c_1, c_2, c_3, c_4) =$

A.	(2, 3, 2, 2)
B.	(6, 3, 2, 2)
C.	(6, 2, 3, 3)
D.	(2, 3, 3, 2)
E.	(2, 6, 3, 2)
F.	(6, 6, 2, 2)

- A. $\{(3, 0, -3)\}$ B. $\{(1, 0, 0), (1, 2, 1)\}$ C. $\{(1, 0, 0), (0, 1, 0), (0, 0, 1)\}$ D. $\{(1, 2, 1)\}$ E. $\{(1, 1, 0), (-1, 0, 1)\}$
- F. $\{(-3, 0, 3), (1, 0, 0)\}$