MATH 260, CPA 8, Fall '14
Due: October 14, 2014
Honor Code: **Name:**
Section:

1) Determine whether the vectors in the set S spans the vector space V.

a) $V = \mathbb{R}^2$; $S = \{[0,0],[1,1]\}$

b) $V = \mathbb{R}^3$; $S = \{[1,0,0],[0,0,1],[5,4,3]\}$

2) Determine whether the set S is a linearly independent subset of the given vector space V.

a) $V = \mathbb{R}^2$; $S = \{[1,-1],[-1,1]\}$

b) $V = \mathbb{R}^3$; $S = \{[1,0,0],[1,1,0],[1,1,1]\}$