Linear Independence Part II

MATH 204: Linear Algebra Prepare for class September 19, 2018	Name (Print):
After rereading Section 1.7 (pages 56-61), answer the	e following questions.
1. State Theorem 8. (Note that it is NOT an if and only	y if theorem!!!)
2. Prove Theorem 8. Use the proof in the text as a base, Facts or Theorems.	but fill in skipped steps and be sure to justify with
3. (a) Give an example (YOUR OWN) of a set of vector why your example works and what the theorem says	
(b) Give an example of a set of vectors that does NO linearly dependent. Does this contradict the theorem	

4. State Theorem 9. Then give its quick proof!