

Quiz No. 2
Math 260

Name: _____ ID _____ Section _____

Q1. A subspace of \mathbf{R}^3 is defined by $x - 2y + 7z = 0$.

- (a): Find its basis.
- (b): Check that your answer satisfies conditions of a basis
- (c): Is the basis unique?

Q2. Find a basis for the solution space of the homogeneous system $x - 2y + z = 0$,
 $y - 3z = 0$ and $x + z = 0$