## Math 220 Assignment

## September 14, 2001

## Assignment for Friday, September 21

- 1. Prepare for a short quiz.
- 2. Let R(s, t) be the function from  $\mathbf{R}^2$  to  $\mathbf{R}^3$  defined by

$$R(s,t) = (s+2t, -2s-t, -2s+2t)$$

- (a) Find equation(s) that characterize the set S of all points (x, y, z) in  $\mathbb{R}^3$  that arise as R(s,t) for at least one pair (s,t).
- (b) What kind of subset of  $\mathbf{R}^3$  is S?

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http://math.albany.edu:8000/math/pers/hammond/course/mat220/assgt/la010912.html