Pin: ???
Name: ?
Sundst

Sundstrom §2.3 p61–63. Math 300

Variant of **2.3.91**.

▶. Define the sets S_3 and S_6 by

$$S_3 = \{k \in \mathbb{R} : k = 3n \text{ for some } n \in \mathbb{N}\}$$

 $S_6 = \{j \in \mathbb{R} : j = 6n \text{ for some } n \in \mathbb{N}\}.$

 $\langle \, {\rm FYI:} \, S_3$ and S_6 are given in set builder notation. \rangle

- 1. Prove that $S_6 \subseteq S_3$.
- 2. Is $S_6 = S_3$? Justify your answer.

......

DELETE this whole sentence and THEN put your answer to ALL parts down here.

230103 Page 1 of 1