►. Define the sets S_3 and S_6 by

$$S_3 = \{k \in \mathbb{R} \colon k = 3n \text{ for some } n \in \mathbb{N}\}$$
$$S_6 = \{j \in \mathbb{R} \colon j = 6n \text{ for some } n \in \mathbb{N}\}.$$

⟨FYI: S_3 and S_6 are given in set builder notation.⟩

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.