Section 1.1: contd

Assign 0 due on Tues, Oct 6 at $11: 59 \mathrm{pm}$

Assign 1 die on Tres, Oct 13 at 11.59 pm
set-builder notation: all $x$
example: write the set $\{4,5\}$ in set-builder notation (note: answers may vary)
$\{4,5\}=\{x \mid x$ is a natural number between but nat includiy 3 and 6$\}$

$$
\begin{aligned}
& =\{y \mid y \text { is } 4 \text { or } 5\} \\
& =\{z \mid z \in z \text { and } 3<z<6\} \\
& =\{a \mid q \text { is a single-disit } \\
& \begin{array}{l}
\text { natural ne singer that begins } \\
\text { with the lefter " } f \text { " }\}
\end{array}
\end{aligned}
$$

