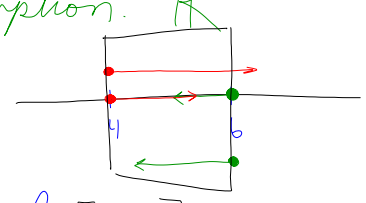


Think! FAST

Jan 23-9:51 AM

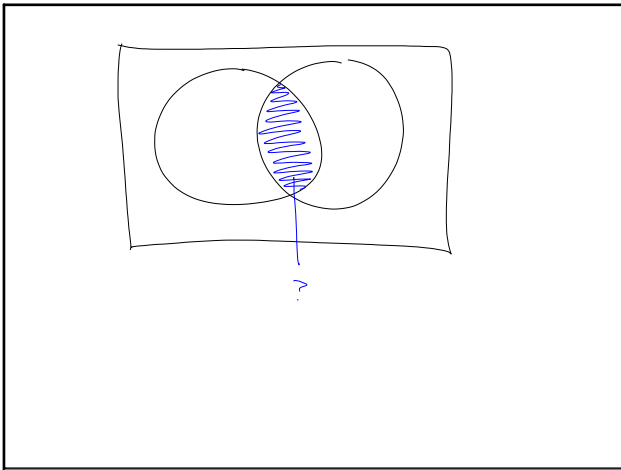
$\{x \mid x \leq 6 \text{ and } x \geq 4\}$

x assumption:  $\mathbb{R}$

- Graph 
- Interval  $[4, 6]$

S.P.  $\Rightarrow x \leq 6 \cap x \geq 4 = \{4, \dots, 6\}$

Jan 23-9:55 AM



Jan 23-10:13 AM

$A = \{x \in \mathbb{N} \mid x \leq 8\}$

$B = \{x \in \mathbb{Z} \mid x > -5\}$

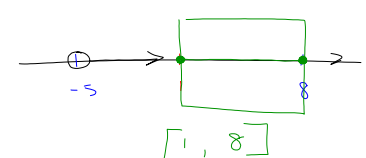
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$A = \{1, 2, 3, 4, 5, 6, 7, 8\}$

$B = \{-4, -3, -2, -1, 0, 1, \dots, 8, \dots\}$

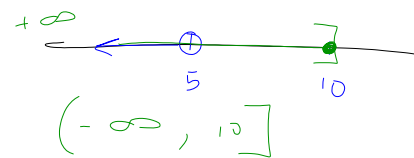
$A \cap B = \{1, 2, 3, 4, 5, 6, 7, 8\}$

$= \{x \in \mathbb{N} \mid x \leq 8\}$



Jan 23-10:16 AM

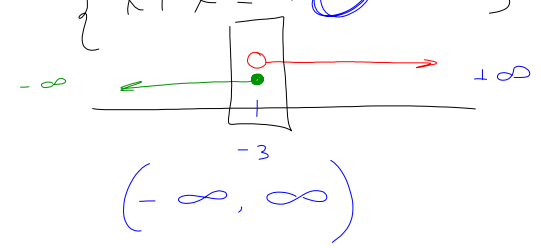
$\{x \mid x < 5 \text{ or } x \leq 10\}$



$(-\infty, 10]$

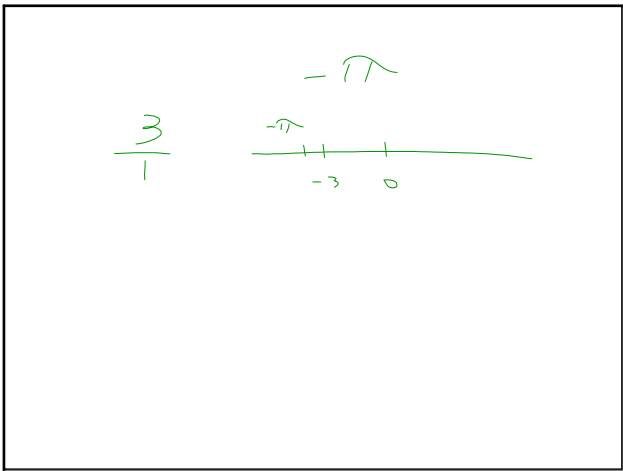
Jan 23-10:30 AM

$\{x \mid x \leq -3 \text{ or } x > -3\}$



$(-\infty, \infty)$

Jan 23-10:38 AM



Jan 23-10:42 AM