Monday, February 13, 2023 7:28 PM

DU 1.)

A B

1.) $|\langle 7,12)| \sim |\langle 3,5)|$

$f: A \to B$

$f(x) = (x-7)\cdot\frac{2}{5}+3$

$f: B \to A$

$f(x) = \frac{5(x-3)}{2}+7$

$y = (x-7)\cdot\frac{2}{5}+3$

$x = (y-7)\cdot\frac{2}{5}+3$

$\frac{5(x-3)}{2}+7 = y$

2. $|Odd| \sim |N|$

$\{1,3,5,7,\dots\}$

$\{0,1,2,3,\dots\}$

$f: Odd \to N$

$f(x) = \frac{x-1}{2}\ ;\ x \in Odd$

$f: N \to Odd$

$f(x) = 2x+1\ ;\ x \in N$