

January 28, 2015

$A = \{x \in \mathbb{N} \mid x \geq 2\}$

$B = \{x \in \mathbb{Z} \mid 3 \leq x \leq 4\}$

① $A \cup B$

or

$S.P. = \{x \in \mathbb{N} \mid x \geq 2\}$

$[2, \infty)$

② $A \cap B$

$S.P. = \{x \in \mathbb{N} \mid 3 \leq x \leq 4\}$

$\Rightarrow \mathbb{N} [3, 4]$

$x \geq 3$
 $x \leq 4$

Jan 28-9:56 AM

2.1 #26)

$f \mid x \rightarrow 4 - 5x$ *Rule*

$f \mid 2a + 11 \rightarrow ?$

$f \mid \boxed{2a + 11}$ *Input* $\rightarrow 4 - 5(2a + 11)$

$4 - 10a - 55$

$\boxed{-51 - 10a}$ *Output*

Jan 28-10:17 AM

$f \mid x \rightarrow x^2 - 4x - 6$

$f(x) = x^2 - 4x - 6$

#30) $f \mid a \rightarrow (a)^2 - 4(a) - 6$

Jan 28-10:23 AM

Quiz #3 - 2.1 Intro to Functions

- West Texas
- Handout
- Everything Prior!!

Jan 28-10:25 AM

Linear Functions

Lines

Jan 28-10:28 AM

a Linear Function

* Parent Function

$f(x) = x^1$ *Power*

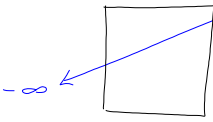
(Horizontal Position) (x)

(Vertical Position) (y)

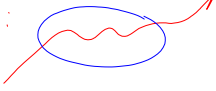
(Domain, Range)

Jan 28-10:30 AM

Slope \rightarrow the Rate of Change
of a Line



- Infinite
- Increasing
- Straight
- Constant (negative!)

not this: 

Jan 28-10:43 AM