

III. Examples (p.91): Exercises #~~30,32~~

IV. Absolute Value Inequalities –

1. Notations & graphs:

see Summary box on p.88

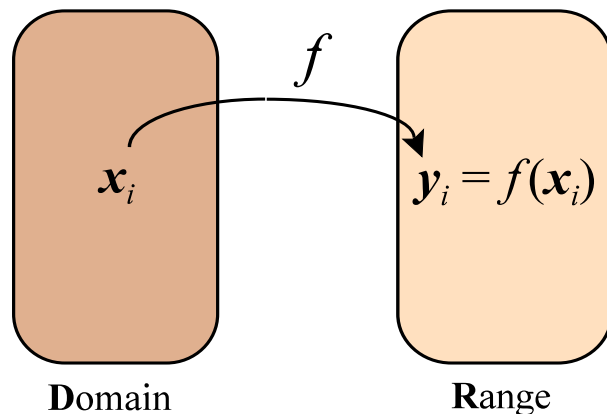
2. Examples (pp.91-92):

Exercises #54,58,80,82

HW: ~~Read section 1.8 (pp.82-89)~~

~~pp.90-92 / Exercises #1-19(odd),25-49(every
other odd),53-81(every other odd),83,91,93~~

I. Function (*informal*): equation where every value of “ x ” in the Domain corresponds to “one and only one” value of “ y ” in the Range...



$$D = \{ \mathbf{x} \mid \text{allowed}^* \mathbf{x}\text{-values} \}$$

$$R = \{ \mathbf{y} \mid \text{corresponding } \mathbf{y}\text{-values} \}$$

...both D & R are subsets of \mathbb{R}

* division by zero AND even roots of negative #'s are not allowed...

II. Notation: $y = f(x)$ is read as “ y equals f of x ”
 the symbolism indicates that “ y ” is a function of “ x ,”
i.e., the equation belongs to this special category of
 equations which satisfy the criteria (I) above

III. Examples (pp.113-114): Exercises #4,6,12,14,16,
26-36(even)

HW: pp.113-114 / Exercises #3-15(odd),~~25-35(odd)~~
Read section 2.1 (pp.106-113)