

HOMEWORK FOR TODAY

Book pg 32

2) Evaluate $f(3)$

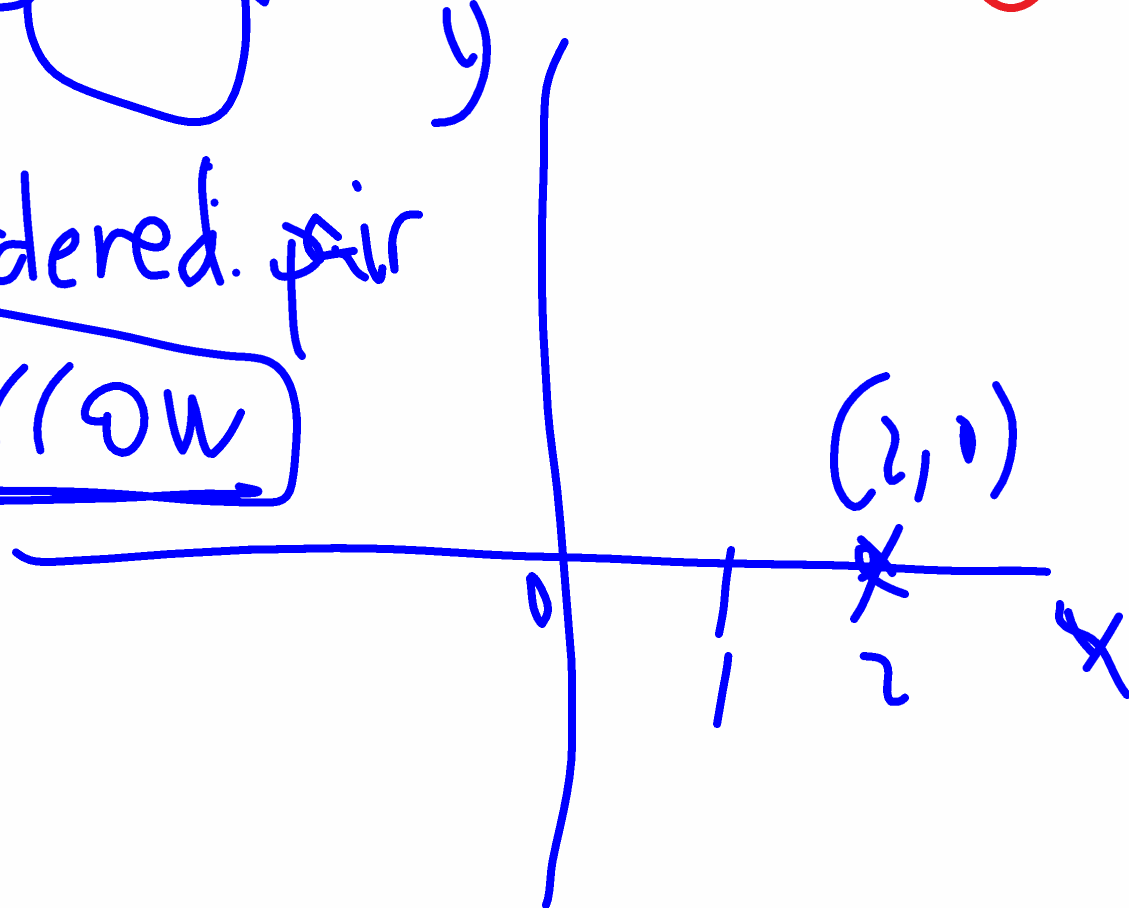
$$2) f = \{(1, 2), (2, 0), (3, 1), (4, 2)\}$$

Domain Range

2 Solution:

$$f(3) = 1$$

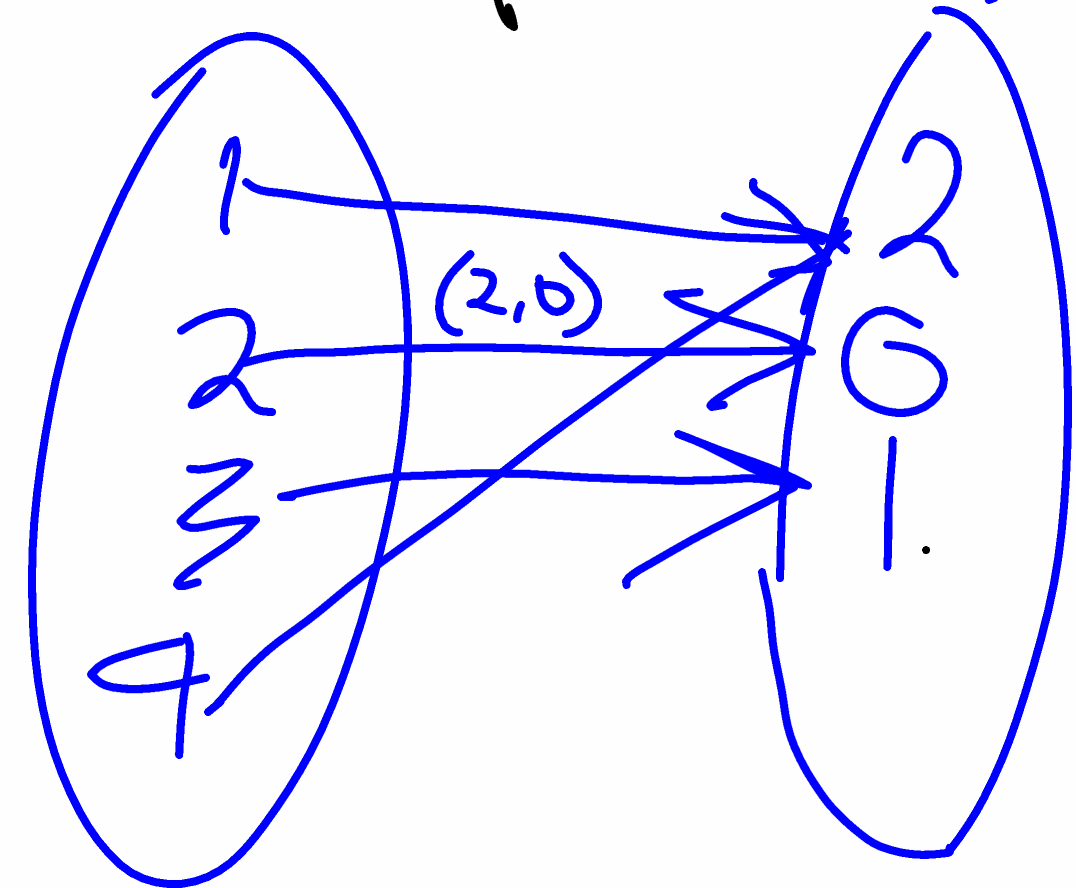
ordered pair
Arrow



Fri 19 Oct 2018

S e t

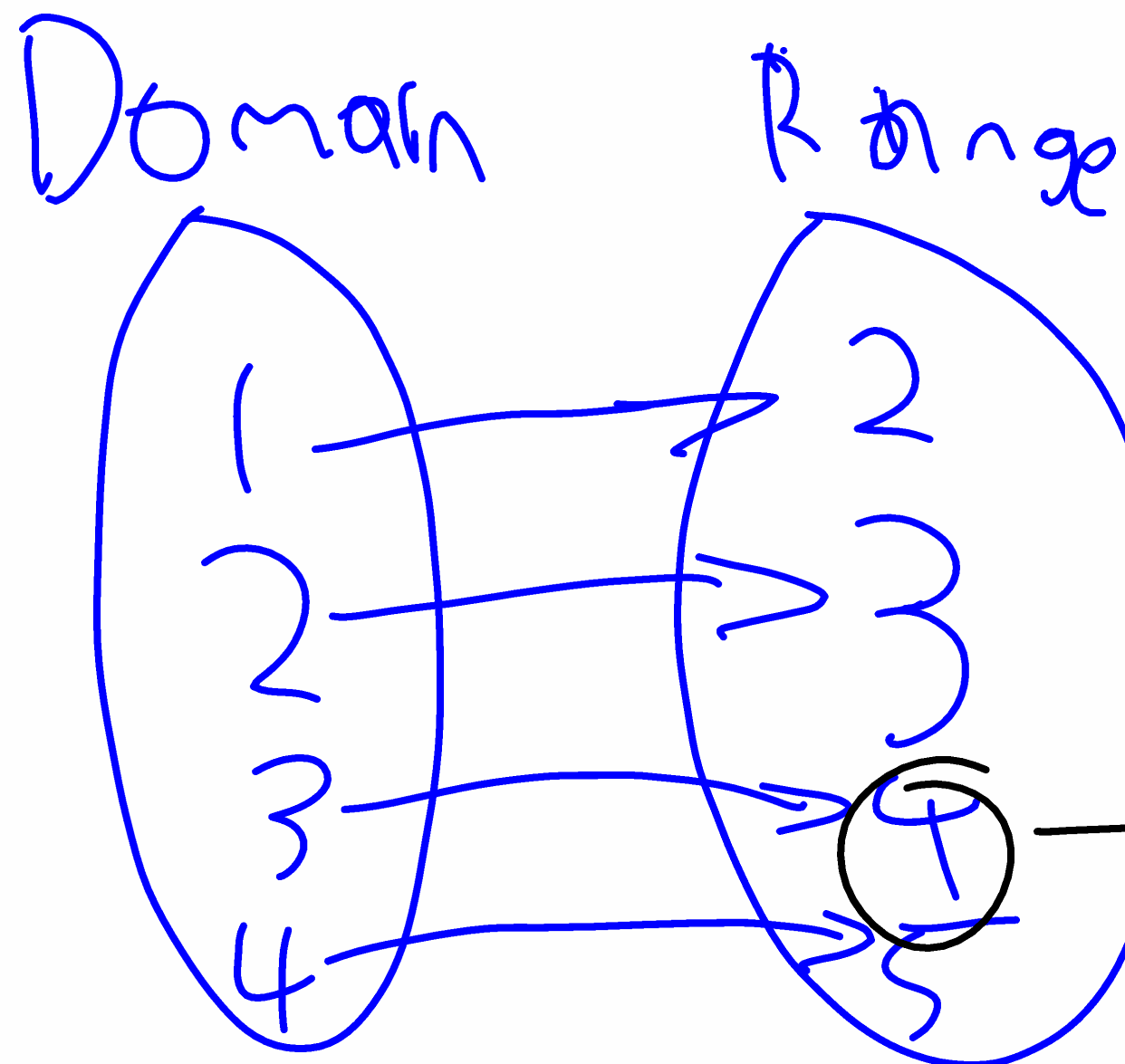
Domain f Range



b) $f(3)$?

x	y
1	2
2	3
3	4
4	5

Solution
 $f(3) = 4$



→ Image of 3
 by f

In other words: f takes
 3 and sends it to 4

9) Evaluate each function at x's given

pg. 83 a) $f(x) = 9x + 1$

$x = 0$ solution $f(0) = 1$

$x = 2$ $f(2) = 19$

b) $f(t) = -2t - 3$

$t = -1$ Solution $f(-1) = (-1) \cdot (-2) - 3 = 2 - 3 = -1$

$t = 3$ $f(3) = -9$

$$c) f(x) = 2x^2 + 5$$

$$x = 2$$

$$x = 3$$

Solution

$$f(2) = 2 \cdot 2^2 + 5 = 8 + 5 = 13$$

$$f(3) = 2 \cdot 3^2 + 5 = 18 + 5 = 23$$

$$d) f(x) = 3x^2 - 4$$

$$x = 0$$

$$x = 4$$

Solution

$$f(0) = 3 \cdot 0^2 - 4 = 0 - 4 = -4$$

$$f(4) = 3 \cdot 4^2 - 4 = 48 - 4 = 44$$