

CLASS: Functions

- Due Mar 2 at 11:59pm
- Points 7
- Questions 7
- Time Limit None
- Allowed Attempts Unlimited

Instructions

This CLASS assignment is a introduction to Functions

You have multiple attempts in answering the question.

Walk through of the note 7.1 [🔗\(https://www.youtube.com/watch?v=wgmE0FZgNHs&list=PLiwEbczHeZcuf7VyebyKcVDqfViUkqfh&index=5\)](https://www.youtube.com/watch?v=wgmE0FZgNHs&list=PLiwEbczHeZcuf7VyebyKcVDqfViUkqfh&index=5)

Walk through of the note 7.2 [🔗\(https://www.youtube.com/watch?v=h2AU2cnW8Ts&list=PLiwEbczHeZcuf7VyebyKcVDqfViUkqfh&index=4\)](https://www.youtube.com/watch?v=h2AU2cnW8Ts&list=PLiwEbczHeZcuf7VyebyKcVDqfViUkqfh&index=4)

Take the Quiz Again

Attempt History

	Attempt	Time	Score
KEPT	Attempt 2	2 minutes	7 out of 7
LATEST	Attempt 2	2 minutes	7 out of 7
	Attempt 1	4 minutes	5 out of 7

❗ Correct answers are hidden.

Score for this attempt: 7 out of 7

Submitted Mar 2 at 8:36pm

This attempt took 2 minutes.



Question 1

1 / 1 pts

Watch me and take notes: Functions [🔗\(https://www.youtube.com/watch?v=Jxw2pMX8mns\)](https://www.youtube.com/watch?v=Jxw2pMX8mns)

Functions Note.pdf [🔗\(https://deanza.instructure.com/courses/33250/files/10923527?wrap=1\)](https://deanza.instructure.com/courses/33250/files/10923527?wrap=1) [📄\(https://deanza.instructure.com/courses/33250/files/10923527/download?download_frd=1\)](https://deanza.instructure.com/courses/33250/files/10923527/download?download_frd=1)

Now answer the following question:

In the lecture, I introduced some sets. What is the name of the following set?

$$\{y \in Y \mid y = f(x), \text{ for some } x \text{ in } X\}$$

- ☐ Domain of f
- ☐ Inverse image of Y
- ☒ Range of f
- ☐ Co Domain of f



Question 2

1 / 1 pts

Watch me and take notes: Functions  <https://www.youtube.com/watch?v=Jxw2pMX8mns>

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(https://deanza.instructure.com/courses/33250/files/10923527/download?download_frd=1)

Now answer the following question:

In the lecture, I introduced some sets. What is the name of the following set?

$$\{x \in X \mid f(x) = y\}$$

- ☐ Domain of f
- ☐ Co Domain of f
- ☐ Image of x
- ☐ Inverse image of x
- ☐ Image of y
- ☒ Inverse image of y



Question 3

1 / 1 pts

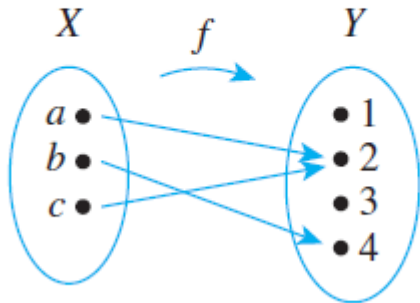
Watch me and take notes: Functions  <https://www.youtube.com/watch?v=Jxw2pMX8mns>

Functions Note.pdf (<https://deanza.instructure.com/courses/33250/files/10923527?wrap=1>) 
(https://deanza.instructure.com/courses/33250/files/10923527/download?download_frd=1)

Now answer the following question:

In the lecture, I introduced some sets.

Find the inverse images of 2



- ☐ a
- ☐ c
- ☐ b
- ☐ {a}
- ☐ {c}
- ☒ {a,c}
- ☐ Empty set



Question 4

1 / 1 pts

Watch me and take notes: One to One and Onto Functions (<https://www.youtube.com/watch?v=5YfbHpdC76w>).

One to One and Inverse Function Note.pdf

(<https://deanza.instructure.com/courses/33250/files/10923531?wrap=1>)_

(https://deanza.instructure.com/courses/33250/files/10923531/download?download_frd=1)

Now answer the following question.

In the lecture, I talked about different types of functions. The following refer to what type of functions?

if $F(x_1) = F(x_2)$, then $x_1 = x_2$.

- ☒ One to one
- ☐ Onto
- ☒ Injective
- ☐ Surjective
- ☐ Bijective



Question 5

1 / 1 pts

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One to One and Inverse Function Note.pdf

<https://deanza.instructure.com/courses/33250/files/10923531?wrap=1>

https://deanza.instructure.com/courses/33250/files/10923531/download?download_frd=1

Now answer the following question.

In the lecture, I talked about different types of functions. The following refer to what type of functions?

$\forall y \in Y, \exists x \in X$ such that $F(x) = y$.

- ☐ One to one
- ☒ Onto
- ☐ Injective
- ☒ Surjective
- ☐ Bijective



Question 6

1 / 1 pts

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One to One and Inverse Function Note.pdf

<https://deanza.instructure.com/courses/33250/files/10923531?wrap=1>

(https://deanza.instructure.com/courses/33250/files/10923531/download?download_frd=1)

Now answer the following question.

In the lecture, I talked about different types of functions. The following refer to what type of functions?

$$h(n) = 4n - 1 \quad \text{for all integers } n.$$

- ☒ One to one
- ☐ Onto
- ☐ Bijective
- ☐ Not a function



Question 7

1 / 1 pts

Watch me and take notes: One to One and Onto Functions  (<https://www.youtube.com/watch?v=5YfbHpdC76w>).

One to One and Inverse Function Note.pdf

(<https://deanza.instructure.com/courses/33250/files/10923531?wrap=1>)_ 

(https://deanza.instructure.com/courses/33250/files/10923531/download?download_frd=1)

Now answer the following question.

What is the value that I provided in the lecture to show that the following function is not onto?

$$h(n) = 4n - 1 \quad \text{for all integers } n.$$

- ☐ $y=0$
- ☒ $y=1$
- ☐ $y=2$
- ☐ $y=3$

Quiz Score: 7 out of 7