CLASS: Direct Proof

Due Feb 7 at 11:59pm **Points** 5 **Questions** 5 **Time Limit** None
Allowed Attempts Unlimited

Instructions

Have your Math 22 notebook prepared to write the definition and the examples.

This CLASS assignment is a introduction to direct proof.

You have multiple attempts in answering the question

Chapter 4 note (https://www.youtube.com/watch?v=L8LTE2xgm9g&list=PLiwEbczHeZcuf7VyebtyKcVDqfViUkqfh&index=2&t=1s)

Direct Proof in Mathematics (https://www.youtube.com/watch?v=HyD0ssZ6kNo)

Take the Quiz Again

Attempt History

	Attempt	Time	Score
KEPT	Attempt 3	less than 1 minute	5 out of 5
LATEST	Attempt 3	less than 1 minute	5 out of 5
	Attempt 2	less than 1 minute	4 out of 5
	Attempt 1	5 minutes	4.5 out of 5

Correct answers are hidden.

Score for this attempt: **5** out of 5
Submitted Feb 7 at 8:45pm
This attempt took less than 1 minute.

Question 1 1 / 1 pts

Prime and Composite Numbers (https://www.youtube.com/watch?v=UINCy-j4svs&list=PLiwEbczHeZcuf7VyebtyKcVDqfVIUkqfh&index=103)

Direct Proof part 1.pdf (https://deanza.instructure.com/courses/33250/files/10826785?wrap=1) (https://deanza.instructure.com/courses/33250/files/10826785/download?download_frd=1)

Now answer the following question:

1 is prime

- True
- False

Question 2

1 / 1 pts

Prime and Composite Numbers (https://www.youtube.com/watch?v=UINCy-j4svs&list=PLiwEbczHeZcuf7VyebtyKcVDqfVIUkqfh&index=103)

Now answer the following question:

1 is composite

- True
- False

Question 3

1 / 1 pts

Prime and Composite Numbers Examples (https://www.youtube.com/watch?v=NGdx2Y9fM90&list=PLiwEbczHeZcuf7VyebtyKcVDqfViUkqfh&index=104

In proving an existential statement, which method works the best?

- Multiple example
- One example
- A general statement
- A counter example

Question 4

1 / 1 pts

Universal Statement Prime and Composite Numbers Examples (https://www.youtube.com/watch?v=xGFWVGRT1es&list=PLiwEbczHeZcuf7VyebtyKcVDqfViUkqfh&index=10

In proving a universal statement, which method works the best?

- One example
- Multiple examples
- Direct definition
- Counter example

Question 5

1 / 1 pts

Prime and Composite Numbers Counter Example (https://www.youtube.com/watch?v=IcbTttGMZoo&list=PLiwEbczHeZcuf7VyebtyKcVDqfViUkqfh&index=105)

In disproving a universal statement, which method works the best?

- [x] One example
- [ ] Multiple examples
- [x] A counter example
- [ ] Using definition

Quiz Score: **5** out of 5