## **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

<u>Direct Proof in Mathematics</u> ⇒ (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.

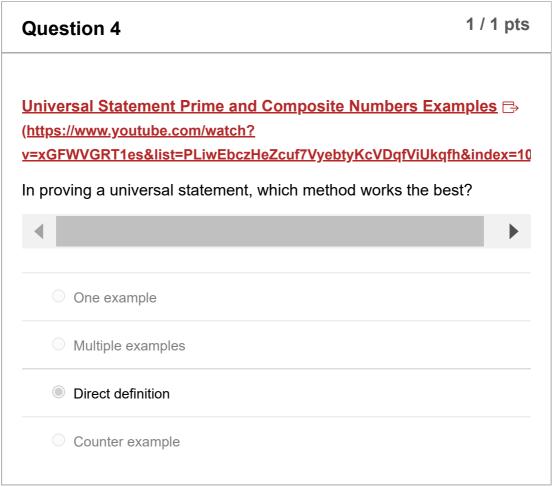
Question 1	1 / 1 pts

Prime and Composite Numbers ☐→ (https://www.youtube.com/watch? v=UINCy-j4svs&list=PLiwEbczHeZcuf7VyebtyKcVDqfViUkqfh&index=103)				
<u>Direct Proof part 1.pdf</u> ( <a href="https://deanza.instructure.com/courses/33250/files/10826785?wrap=1">https://deanza.instructure.com/courses/33250/files/10826785?wrap=1</a> ( <a href="https://deanza.instructure.com/courses/33250/files/10826785/download?download_frd=1">https://deanza.instructure.com/courses/33250/files/10826785/download?download_frd=1</a> )				
Now answer the following question:				
1 is prime				
○ True				
False				
Question 2 1 / 1 pts				
Question 2  Prime and Composite Numbers ⇒ (https://www.youtube.com/watch? v=UINCy-j4svs&list=PLiwEbczHeZcuf7VyebtyKcVDqfViUkqfh&index=103)				
Prime and Composite Numbers ⊕ (https://www.youtube.com/watch?				

True

False

## 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 5	1 / 1 pts			
Prime and Composite Numbers Counter Example  (https://www.youtube.com/watch? v=lcbTttGMZoo&list=PLiwEbczHeZcuf7VyebtyKcVDqfViUkqfh&index=105) In disproving a universal statement, which method works the best?				
One example				
☐ Multiple examples				
A counter example				
Using definition				

Quiz Score: 5 out of 5