

Name: _____ Date: _____ Period: _____

Due: _____



Pick a statement to prove true. It can be a topic you wish to debate or a simple statement (i.e. If I eat chocolate, then I am happy.). Your job is to research the topic and the reasons why you are either for or against the topic. The topic you are proving must be written in if-then form. In a two-column proof, declare your statements and reasons. The statements should begin with your hypothesis (Given – If part) and end with your conclusion (then part).

The important idea to remember is that reasons answer why the statement is true. All of the statements should follow from the previous statement in a logical order, just like a geometric proof. If your reasons come from an outside source, cite that source. Write your if-then statement at the top of your proof so the reader understands what you are attempting to prove. See rubric for grading.

There must be **at least 5 statements** with reasons. The more statements the better and the better supported your conditional statement is.

Set your project up in the two-column proof format (see example).

Example:

Prove: If students use the Internet to get answers, then they do not learn the material.

Statements	Reasons
1. Students use the internet to get answers	1. Given
2. A calculator/program is found to solve the problem for the student	2. See the many different free programs: <ul style="list-style-type: none"> • https://www.wolframalpha.com/ • http://www.webmath.com/diff.html
3. The student is not provided a description of how to solve the problem or does not read how to solve the problem	3. Wolfram alpha costs money to see explanation Article that explains time constraints impact on student motivation: <ul style="list-style-type: none"> • https://www.jstor.org/stable/23363944?seq=1#page_scan_tab_contents • http://www.tandfonline.com/doi/abs/10.1080/00220485.1978.10845474 • http://time.com/3545695/homework-answers-apps/
4. Student does not ask how to do the problem	4. Our culture has become impacted by a quick pace of life: <p>https://www.bostonglobe.com/lifestyle/style/2013/02/01/the-growing-culture-impatience-where-instant-gratification-makes-crave-more-instant-gratification/q8tWDNGeIB2m45fQxtTOP/story.html</p> <p>Study of pace of life, western countries all in the top.</p> <p>http://www2.psych.ubc.ca/~ara/Manuscripts/Levine%26Norenzayan%20POL.pdf</p> <p>The student is looking for a quick solution → internet instantly provides answer and doesn't delve into explanation. If the student was going to ask how to do the problem, the student would have to spend time on the problem and would have asked how before looking for answer on the internet and not reading the explanation. Article about how majority of students want learning to be easy</p> <p>http://www.facultyfocus.com/articles/teaching-professor-blog/didnt-teach-learn/</p>
5. Student cannot study for the test	5. Student does not know how to do the problem
6. The student receives a poor grade on the test	6. The student could not study for the test Article explains homework and studying directly improves test scores <p>https://www.washingtonpost.com/news/answer-sheet/wp/2012/11/19/study-homework-linked-to-better-standardized-test-scores/</p>

7. The student did not learn the material

7. Tests are one way to demonstrate understanding of material.

Geometry

Proof Project Rubric

Name _____

Period _____

Timeliness	<ul style="list-style-type: none"><input type="checkbox"/> Project is turned in on time. (2 points)<input type="checkbox"/> Project is one day late. (1 point)<input type="checkbox"/> Project is more than one day late. (0 points)	/2
Appearance	<ul style="list-style-type: none"><input type="checkbox"/> Two-Column Proof Format. (1 point)<input type="checkbox"/> Typed (1 point)	/2
If-Then Statement	<ul style="list-style-type: none"><input type="checkbox"/> Statement proving is in the if-then form (2 points)<input type="checkbox"/> The statement makes sense (1 point)	/3
Statements	<ul style="list-style-type: none"><input type="checkbox"/> The first statement is the hypothesis (1 point)<input type="checkbox"/> Each statement follows from the previous statement in a logical order (10 points)<input type="checkbox"/> There are at least 5 statements (5 points)<input type="checkbox"/> The last statement is the conclusion (1 point)	/1 7
Reasons	<ul style="list-style-type: none"><input type="checkbox"/> The first reason is "given" (1 point)<input type="checkbox"/> The reasons sufficiently support the statement (5 points)<input type="checkbox"/> There is a reason for each statement (2 points)<input type="checkbox"/> Resources are used (articles, websites, books, etc.) (3 points)	/1 1

Total Points:

/35

Project Grade: