

**TF-IDF**

Intro to Web Science

10 points

Name \_\_\_\_\_

Using Google and the query *spring break*, calculate the overall TF-IDF scores for the 1<sup>st</sup> result with the 5<sup>th</sup> result.

Please write the full URLs for each result, and write all your work below so you can get partial credit if you make a mistake in your calculations. Round your final answers to 4 decimal places. Assume Google has 10 billion pages in their index.