

NAME:

MATH1313

Quiz 2
January 29, 2019

Instructions: Do all the problems on **both sides** of this paper. Show all your work.

1. [**3 points each**] The UA enrollment in 2017 consisted of 14,469 women and 13,089 men, while in 2016 the enrollment was 14,142 women and 13,052 men.

(a) What percentage of the 2017 enrollment are women?

(b) What is the absolute change in the enrollment of women from 2016 to 2017?

(c) What is the relative (percentage) change in the enrollment of women from 2016 to 2017?

(d) What is the relative (percentage) change in the total enrollment from 2016 to 2017?

2. **[8 points]** Make an order of magnitude estimate for the number of hours you have spent in your lifetime in a classroom. Explain how you arrived at your estimate by writing a few *complete sentences*.