

NAME:

MATH1313

Quiz 1
January 22, 2019

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

1. **[4 points each]** The following table lists the population and total land area of several countries.

Country	Area (mi ²)	Population
Afghanistan	249,347	29,724,323
China	3,722,342	1,393,748,104
Iceland	39,682	350,710
United Kingdom	93,788	66,040,229
Nigeria	356,669	195,875,237

- (a) What is the population density of the United Kingdom?
- (b) What is the population density of China?
- (c) What is the area of Iceland in square kilometers? (1.61 km = 1 mi)

2. **[4 points]** An average adult American male weighs 178 lbs. How much is this in kilograms?
(1 kg = 2.2 lb)

3. **[4 points]** Because of different policies, gasoline prices are higher in Europe than in the United States. Currently, gasoline in France is 1.50 Euros per liter. What is the price in dollars per gallon? (\$1.00 = .945 Euro, 1 gallon = 3.785 liters)