

## Math 115 - Quiz 2

September 4, 2014

Name \_\_\_\_\_

Score \_\_\_\_\_

Show all work to receive full credit. Supply explanations when necessary.

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1. (5 points) A frequency distribution is shown below.

Lengths (ft)	Frequency
4.5–8.4	2
8.5–12.4	7
12.5–16.4	5
16.5–20.4	2
20.5–24.4	1

- (a) What are the lower class limits?
- (b) What is the class width?
- (c) What are the class boundaries?
- (d) If the frequency distribution was changed to a relative frequency distribution, what relative frequency would be associated with the class 12.5–16.4?
- (e) Sketch the histogram that corresponds to the frequency distribution.