## Math 206 - Quiz 3

February 14, 2018

Name_	key		
	J	Score	

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

1. (1 point) Suppose the odds in favor of an event are 1:1. Is the event a certain event? Explain.

No, WATH 1:1 ODDS., THE EVENT HAS

A PROB OF 50%. THE EVENT IS JUST

AS LIKELY TO HAPPEN AS NOT.

- 2. (2 points) The probability of the event A is 0.65.
  - (a) What are the odds in favor of A?

(b) What are the odds against A?



- 3. (2 points) In his 1964 fight against Sonny Liston, the odds against Cassius Clay (Muhammad Ali) were 8 to 1.
  - (a) What were the odds in favor of Ali?



(b) What was his probability of winning?

