Mini Quiz Professor Marks ELC 5354

January 29, 2015

- Do your work on this page and back.
- Write your name on the back of this page, not the front.
- Show all your work.
- Closed notes and closed books. A sheet of notes is allowed.
- 1. The pdf, $f_X(x)$, for an angle is uniform between 0 and 2π .
 - (a) What is the $Pr[2 \le X \le 3]$?
 - (b) Sketch and label the conditional pdf $f_X(x|2 \le X \le 3)$.
 - (c) Sketch and label the conditional cdf $F_X(x|2 \le X \le 3)$.

