

## Probability, HW4, nothing to turn in

1. Book, page 144–: 2, 4, 5, 8, 12, 13, 14(b,c), 16, 18, 19, 22
2. A random disk is created by choosing its area uniformly between 0 and  $\pi$ . Find the range and pdf of its radius  $R$ .
3. Let  $A$  be the area of a square with side  $X \sim \text{unif}(0, 2]$ . Find the range and pdf of  $A$ .