

## MAC2312: Calculus 2 - Section 3

### Quiz 13: 10.4 Areas and Lengths in Polar Coordinates

July 9, 2015

1. Find the area of the region that is bounded by  $r = \sqrt{\theta}$  and lies in the region  $0 \leq \theta \leq 2\pi$ .
  - A.  $\pi$
  - B.  $\pi^2$
  - C.  $\pi^3$
  - D.  $\pi^4$