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COURSE-SEC  
YYYY-MM-DD

# AssignmentTitle

## 1 ProblemTitle

some text for the first problem or exercise

## 2 ProblemTitle

Let  $X$  be a random variable with probability density function

$$f(x) = \begin{cases} c\sqrt{1-x^2}, & x \in (-1, 1) \\ 0, & x \notin (-1, 1) \end{cases}$$