September 26th 2019	Statistics 1	Quiz 7
http://www.isibang.ac.in/~athreya/Teaching/stati	istics1	September 26th, 2019
Name:		Score:

1. Suppose $n, m \ge 1$. Let $U \sim \chi_n^2$ and be independent of $V \sim \chi_m^2$. Find the probability density function of

$$Z = \frac{U/n}{V/m}.$$