

MATH 5010 – Quiz

Name:

6.55 X and Y have joint density function

$$f(x, y) = \begin{cases} \frac{1}{x^2 y^2} & x > 1, y > 1 \\ 0 & \text{otherwise.} \end{cases}$$

Compute the joint density function of $U = XY$ and $V = Y/X$.