

Math 352 Quiz 6

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1. (a) F
(b) T
(c) F
(d) T

2.

$$G(x, \xi) = \begin{cases} \frac{\xi(1-x)}{k} & 0 \leq \xi \leq x \leq 1 \\ \frac{x(1-\xi)}{k} & 0 \leq x \leq \xi \leq 1 \end{cases}$$

$$u = \frac{1}{k} \int_0^1 G(x, \xi) f(\xi) d\xi.$$