

The full and formal wording of regulations about general matters may be obtained from the University of Canterbury Policy Library (www.canterbury.ac.nz/ucpolicy). Students and staff should check the website regularly for updates.

Appendix A – University of Canterbury

- [University of Canterbury](#)
- 1. [University of Canterbury](#)
 - [University of Canterbury](#)
 - [University of Canterbury](#)
 - [University of Canterbury](#)
- 2.



- () $\int_{-\infty}^{\infty} f(x) \delta(x-a) dx = f(a)$ if f is continuous at a .
- () $\int_{-\infty}^{\infty} f(x) \delta(x-a) dx = f(a)$ if f is continuous at a .
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Let $f(x) = \begin{cases} x^2 & \text{if } x < 0 \\ 2x & \text{if } 0 < x < 1 \\ 3 & \text{if } x > 1 \end{cases}$
 Evaluate $\int_{-\infty}^{\infty} f(x) \delta(x-1) dx$

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