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1.  $\int_{-\infty}^{\infty} f(x) \delta(x-a) dx = f(a)$

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2.  $\int_{-\infty}^{\infty} f(x) \delta(x-a) dx = f(a)$

3.  $\int_{-\infty}^{\infty} f(x) \delta(x-a) dx = f(a)$

4.  $\int_{-\infty}^{\infty} f(x) \delta(x-a) dx = f(a)$

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5.  $\int_{-\infty}^{\infty} f(x) \delta(x-a) dx = f(a)$

















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