

6. $\int_{-\infty}^{\infty} f(x) \delta(x-a) dx = f(a)$ $\int_{-\infty}^{\infty} f(x) \delta(x) dx = f(0)$ $\int_{-\infty}^{\infty} f(x) \delta(x-a) \delta(x-b) dx = f(a) \delta(a-b)$ $\int_{-\infty}^{\infty} f(x) \delta(x-a) \delta(x-b) dx = f(a) \delta(a-b)$ $\int_{-\infty}^{\infty} f(x) \delta(x-a) \delta(x-b) dx = f(a) \delta(a-b)$
7. $\int_{-\infty}^{\infty} f(x) \delta(x-a) dx = f(a)$ $\int_{-\infty}^{\infty} f(x) \delta(x-a) dx = f(a)$ $\int_{-\infty}^{\infty} f(x) \delta(x-a) dx = f(a)$ $\int_{-\infty}^{\infty} f(x) \delta(x-a) dx = f(a)$ $\int_{-\infty}^{\infty} f(x) \delta(x-a) dx = f(a)$
8. $\int_{-\infty}^{\infty} f(x) \delta(x-a) dx = f(a)$ $\int_{-\infty}^{\infty} f(x) \delta(x-a) dx = f(a)$ $\int_{-\infty}^{\infty} f(x) \delta(x-a) dx = f(a)$ $\int_{-\infty}^{\infty} f(x) \delta(x-a) dx = f(a)$ $\int_{-\infty}^{\infty} f(x) \delta(x-a) dx = f(a)$
9. $\int_{-\infty}^{\infty} f(x) \delta(x-a) dx = f(a)$ $\int_{-\infty}^{\infty} f(x) \delta(x-a) dx = f(a)$ $\int_{-\infty}^{\infty} f(x) \delta(x-a) dx = f(a)$ $\int_{-\infty}^{\infty} f(x) \delta(x-a) dx = f(a)$ $\int_{-\infty}^{\infty} f(x) \delta(x-a) dx = f(a)$

