

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

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

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

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

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

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

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

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

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

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

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