

1.  $\int_{-\infty}^{\infty} \delta(x) dx = 1$   
 2.  $\int_{-\infty}^{\infty} \delta(x) f(x) dx = f(0)$   
 3.  $\int_{-\infty}^{\infty} \delta(x) dx = 1$   
 4.  $\int_{-\infty}^{\infty} \delta(x) f(x) dx = f(0)$   
 5.  $\int_{-\infty}^{\infty} \delta(x) dx = 1$   
 6.  $\int_{-\infty}^{\infty} \delta(x) f(x) dx = f(0)$   
 7.  $\int_{-\infty}^{\infty} \delta(x) dx = 1$   
 8.  $\int_{-\infty}^{\infty} \delta(x) f(x) dx = f(0)$   
 9.  $\int_{-\infty}^{\infty} \delta(x) dx = 1$   
 10.  $\int_{-\infty}^{\infty} \delta(x) f(x) dx = f(0)$

1.  $\int_{-\infty}^{\infty} \delta(x) dx = 1$   
 2.  $\int_{-\infty}^{\infty} \delta(x) f(x) dx = f(0)$



















1.  $\frac{1}{x^2}$   
 2.  $\frac{1}{x^3}$   
 3.  $\frac{1}{x^4}$   
 4.  $\frac{1}{x^5}$   
 5.  $\frac{1}{x^6}$   
 6.  $\frac{1}{x^7}$   
 7.  $\frac{1}{x^8}$   
 8.  $\frac{1}{x^9}$   
 9.  $\frac{1}{x^{10}}$   
 10.  $\frac{1}{x^{11}}$   
 11.  $\frac{1}{x^{12}}$   
 12.  $\frac{1}{x^{13}}$   
 13.  $\frac{1}{x^{14}}$   
 14.  $\frac{1}{x^{15}}$   
 15.  $\frac{1}{x^{16}}$   
 16.  $\frac{1}{x^{17}}$   
 17.  $\frac{1}{x^{18}}$   
 18.  $\frac{1}{x^{19}}$   
 19.  $\frac{1}{x^{20}}$

20.  $\frac{1}{x^{21}}$   
 21.  $\frac{1}{x^{22}}$   
 22.  $\frac{1}{x^{23}}$   
 23.  $\frac{1}{x^{24}}$   
 24.  $\frac{1}{x^{25}}$

45, 2  $\frac{1}{x^{26}}$   $\frac{1}{x^{27}}$   $\frac{1}{x^{28}}$   $\frac{1}{x^{29}}$   $\frac{1}{x^{30}}$   $\frac{1}{x^{31}}$   $\frac{1}{x^{32}}$   $\frac{1}{x^{33}}$   $\frac{1}{x^{34}}$   $\frac{1}{x^{35}}$   $\frac{1}{x^{36}}$   $\frac{1}{x^{37}}$   $\frac{1}{x^{38}}$   $\frac{1}{x^{39}}$   $\frac{1}{x^{40}}$   $\frac{1}{x^{41}}$   $\frac{1}{x^{42}}$   $\frac{1}{x^{43}}$   $\frac{1}{x^{44}}$   $\frac{1}{x^{45}}$   $\frac{1}{x^{46}}$   $\frac{1}{x^{47}}$   $\frac{1}{x^{48}}$   $\frac{1}{x^{49}}$   $\frac{1}{x^{50}}$















