

1.  $\int_1^{\infty} \frac{5}{x^2} dx$

2.  $\int_1^{\infty} \frac{3}{\sqrt[3]{x}} dx$

3.  $\int_{-\infty}^0 xe^{-2x} dx$

4.  $\int_0^{\infty} x^2 e^{-x} dx$

5.  $\int_0^{\infty} (x-1)e^x dx$

6.  $\int_0^{\infty} \frac{1}{1+x^2} dx$

7.  $\int_{-\infty}^{\infty} \frac{1}{1+x^2} dx$

8.  $\int_0^{\infty} \frac{e^x}{1+e^x} dx$

9.  $\int_0^{\infty} \cos(x) dx$

10.  $\int_3^{\infty} \frac{1}{x(\ln(x))^4} dx$ 

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1.  $\int_0^1 \frac{1}{x} dx$

2.  $\int_0^3 \frac{1}{\sqrt{3-x}} dx$

3.  $\int_0^1 \frac{1}{1-x^2} dx$

4.  $\int_0^{\frac{\pi}{2}} \sec(x) dx$

5.  $\int_0^{\pi} \csc(x) dx$

6.  $\int_0^1 x \ln(x) dx$

7.  $\int_2^4 \frac{1}{\sqrt{x^2-4}} dx$

8.  $\int_0^2 \frac{1}{(x-1)^2} dx$

9.  $\int_1^3 \frac{2}{(x-2)^{\frac{8}{3}}} dx$

10.  $\int_0^2 \frac{1}{\sqrt[3]{x-1}} dx$