## Onpegenentia unterpan

$$\int_{-1}^{2} \sqrt{x} \, dx = X \cdot \frac{4}{4} \Big|_{-1}^{2} = (2)^{3} \cdot \frac{3}{4} - (-1)^{3} \cdot \frac{3}{4}$$

$$y = \operatorname{arcsin} x = \operatorname{d} y = \sqrt{1 - x^2} \, dx$$

$$(5)^{7/2} + \sqrt{3/4} - 1$$
 $e^{3} + e^{3} + e^{$ 

3.\* 
$$\int \frac{dx}{t} = \ln x$$
  $\int \frac{dt}{t} = \ln (t)|_{2}^{3} = \ln 3 - \ln 2 = \ln \frac{3}{2}$ 

$$= 2 \int_{1}^{\sqrt{2}} (t^{2} - t) (t^{2}) dt = 2 \left( \frac{t^{5}}{5} \right)_{1}^{\sqrt{2}} + \frac{t^{3}}{3} \Big|_{1}^{\sqrt{2}}$$

S. 
$$\int_{-\pi}^{\pi} \sqrt{a^2 \cdot x^2} \, dx = \frac{104^4}{2}$$

6.  $\int_{-\pi}^{\pi} \sin(\log x) \, dx = 0$ 

J.  $\int_{-\pi}^{\pi} e^{-t} \sin t \, dt = 0$ 

7.  $\int_{-\pi}^{\pi} x \sqrt{a^2 \cdot x^2} \, dx = 0$ 

8.  $\int_{-\pi}^{\pi} \frac{x \sin t}{4\pi \cos^2 x} \, dx = 0$ 

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