

6. $\int_{-1}^1 \sqrt{x} dx$

1. $\int_{-1}^1 \sqrt{x} dx = \int_{-1}^0 \sqrt{x} dx + \int_0^1 \sqrt{x} dx$
2. $\int_{-1}^1 \sqrt{x} dx = \int_{-1}^1 x^{1/2} dx = \frac{2}{3} x^{3/2} \Big|_{-1}^1 = \frac{2}{3} (1^{3/2} - (-1)^{3/2}) = \frac{2}{3} (1 - i) = \frac{2}{3} (1 - i)$

▲ Better definition lists can be created using the DL plugin.