

# Trig Integrals Worksheet

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## 1 Exercises

- I. Find the antiderivative of  $\arctan(x)$ .
- II. Find the reduction formula for  $\int \cos^n(x)dx$ , where  $n \geq 2$ .
- III. Find the reduction formula for  $\int \tan^n(x)dx$ , where  $n \geq 2$ .