

# Seminar 17

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1. Bestimmen Sie  $\int_1^5 x^2 \sin(x) dx$ .
2. Bestimmen Sie  $\int_1^5 (\sin(x))^3 dx$ . Hinweis:  $(\sin(x))^3 = \sin(x) \cdot \sin(x)^2$ , partielle Integration und Pythagoras.