

# Integration Quiz B

AOS Senior BC

December 12, 2023

1.  $\int x \sec x \tan x \, dx$

2.  $\int x e^{4x} \, dx$

3.  $\int \frac{x \, dx}{x^2 - 4x + 3}$

4.  $\int x\sqrt{x+1} \, dx$

5.  $\int \frac{dx}{2x^2+9}$

Bonus  $\int \frac{\sqrt{x+3}}{x} \, dx$