Integration Quiz A

AOS Senior BC

December 12, 2023

1. $\int x \sec^2 x \, dx$

2. $\int x e^{5x} \, dx$

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

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

5. $\int \dfrac{dx}{3x^2+16}$

Bonus $\int \dfrac{\sqrt{x+4}}{x}\,dx$