

AB Q501. Review

① $\int x^2 \ln x \, dx$

② $\int x^2 e^{-2x} \, dx$

③ $\int \frac{11x + 2}{2x^2 - 5x - 3} \, dx$

④ $\int \frac{dx}{x^2 \sqrt{25 - x^2}}$

⑤ $\int \frac{dx}{1 - x^2}$

A] Do it with partial fractions
B] Do it with a trig. substitution