

Math 1B Discussion Problems 7 Feb

1. Evaluate the following integrals.

(a) $\int \frac{2x-3}{x^3+3x} dx$

(b) $\int \ln(1+x^2) dx$

(c) $\int \frac{e^{\sqrt{x}}}{\sqrt{x}} dx$

(d) $\int \sqrt{\frac{1+x}{1-x}} dx$

(e) $\int (1+\tan x)^2 \sec x dx$