

Integration By Parts 3

1) $\int x \sin x \, dx$

2) $\int 2x \sin(3x-1) \, dx$

3) $\int x^2 \ln x \, dx$

4) $\int (x+1) \ln x \, dx$

5) $\int x e^x \, dx$

6) $\int x^2 e^{3x} \, dx$

7) $\int e^x \cos 2x \, dx$

8) $\int e^x \sin x \, dx$