INTEGRATION BY PARTS

Formula 1: Integration by Parts

Formula 2: Integration by Parts

Work the following problems before class

1. $\int x \cos(x) dx$

2. $\int (x-1) \sin(\pi x) dx$

3. $\int e^x \cos(x) dx$

4. $\int x^2 e^x dx$

5. $\int \tan^{-1} dx$