

**MAT Exercises – Integration - Sol'ns (2 pages; 2/11/22)**

(1) If  $\int_{-a}^a f(x) dx = b$ , find  $\int_{-a}^a f(-x) dx$

**Solution**

$b$  also, as  $f(-x)$  is the reflection of  $f(x)$  in the  $y$ -axis