proof Lemma 3: $\times \in [-a_{c}a]$ 77. $\int id(\times) \in [-2a_{c}a]$ $\left| \int id(\times) \right| = \left| \int id(\times) + \times + \frac{1}{2} \right|$

 $\left| \left| fid(x) \right| = \left| f_{id}(x) + x + x \right| \leq 4 \left| \frac{1}{2} \left| \frac{1}$

= a + (x) $\leq 2a$

=7 $|f_{id}(x)| \le 2a = 2$ $= 7 + |f_{id}(x)| \le 2a - |f_{id}(x)| \le 2a$

 $2=7-2\alpha \leq \int_{id}(x) \leq 2\alpha$ $2=7\int_{id}(x) \in [-2\alpha, 2\alpha]$