

Brief solutions to selected problems in homework week 12

1. Section 5.6, problem 115:

Use the hint to find that $I + I = \int_0^a 1 dx$.

2. Chap 5, Chap 5, Additional and Advanced Exercises: problems 5

There are 2 solutions. $x = 2$ gives $f(t) = \frac{1}{4}$, $x = -2$ gives $f(t) = \frac{-1}{4}$. One can check that both give correct answer after substituting in.