

Brief answer to selected problems in HW11

1. Section 5.5:

problem 79: All three are correct. One can also verify using trigonometric identities $\cos^2 \theta = 1 - \sin^2 \theta = \frac{1 + \cos 2\theta}{2}$.

2. Section 5.6:

problem 112: use the change of variable $u = 1 - x$.

problem 117: use the change of variable $u = x - c$.