MATH-244	
Homework 3 Cheatsheet	,

Pierre-Olivier Parisé Fall 2023

Section 15.3, Problem 14

(Pts)

You can use the following fact:

$$\int \cos^4(\theta) d\theta = \frac{12\theta + 8\sin(2\theta) + \sin(4\theta)}{32}.$$

Section 15.3, Problem 18

_(Pts)

You can use the following facts:

$$\int (1 + \cos \theta)^2 d\theta = \frac{6\theta + 8\sin \theta + \sin(2\theta)}{4}$$

and

$$\int \cos^2(\theta) d\theta = \frac{\theta + \sin(\theta)\cos(\theta)}{2}.$$