M1B/Schoenbrun   Homework-1

Section 5.1 Page. 343 (17, 41.b, 41.h)
Use the Integration function on your calculator to do 47-50

17. $(2+3+4+5+6)\cdot1 = 20$ Left

$(3+4+5+6+7)\cdot1 = 25$ Right

41.b $\sum_{k=1}^{6}(2k+1) = 3+5+7+9+11+13 = 48$

41.h $\sum_{n=0}^{4}\sin\left(\frac{n\pi}{2}\right) = \sin(0)+\sin\left(\frac{\pi}{2}\right)+\sin(\pi)+\sin\left(\frac{3\pi}{2}\right)+\sin(2\pi) =$

$0+1+0+-1+0 = 0$

47. $\int_{-2}^{2}\left(4-x^2\right)dx = 10.666667$

48. $\int_{0}^{2}\left(x^2+1\right)dx = 4.6666667$

49. $\int_{-\pi/2}^{\pi/2}\left(2-2\sin x\right)dx = 6.2831853$

50. $\int_{0}^{2}2^x\,dx = 2.8853901$