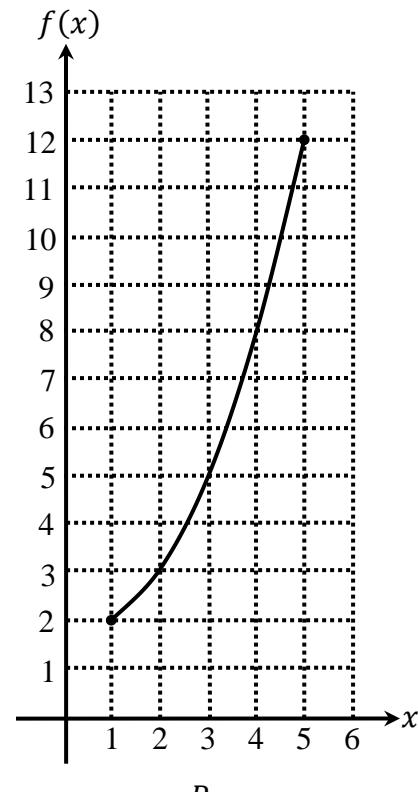
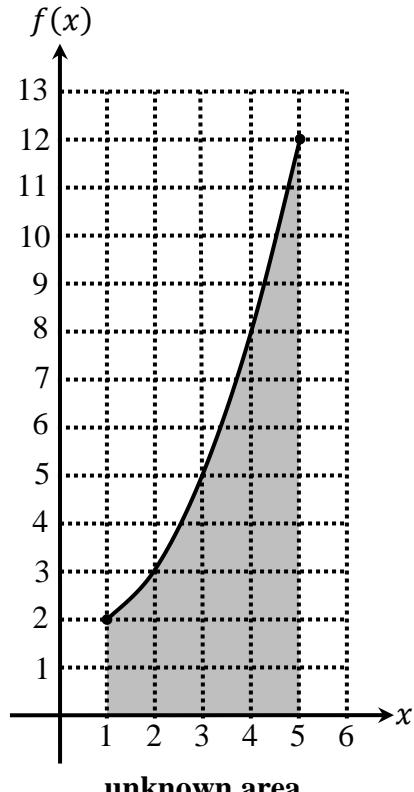
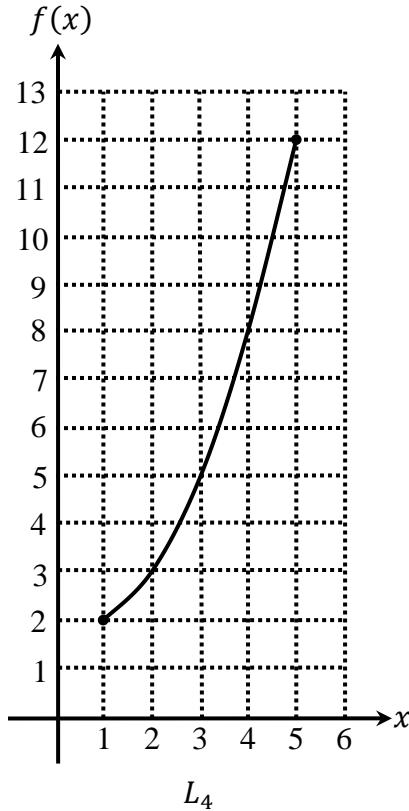


														,											
L	A	S	T		N	A	M	E	S					,	F	I	R	S	T		N	A	M	E	S
														,											
														,											

MATH 2301 GW29: Estimating the Area Under a Graph by Using Riemann Sums

The goal is to estimate the shaded area in the middle figure. You will do this by finding the values of the Riemann sums L_4 and R_4 . This will give you lower and upper bounds for the shaded area.



- (A) Draw in the rectangles for the left sum L_4 .
- (B) Find the value of L_4 .
- (C) Draw in the rectangles for the right sum R_4 .
- (D) Find the value of R_4 .
- (E) Use the values from questions (B) and (D) to build a true inequality

$$\underline{\hspace{2cm}} < \text{unknown area} < \underline{\hspace{2cm}}$$