Definite Integral as the Limit of a Riemann Sum

$\int_0^4 x^3\,dx$	
	$\lim_{n\to\infty}\sum_{i=1}^{n}\left(2+\frac{2i}{n}\right)^3\cdot\left(\frac{2}{n}\right)$
$\int_2^6 x^3\,dx$	
	$\lim_{n\to\infty}\sum_{i=1}^{n}\left(4+\frac{2i}{n}\right)^3\cdot\left(\frac{2}{n}\right)$
$\int_2^6 (x+2)^3\,dx$	
	$\lim_{n\to\infty}\sum_{i=1}^{n}\left[\sin\left(\frac{\pi i}{n}\right)\right]\cdot\left(\frac{\pi}{n}\right)$

$\int_{\pi/2}^{\pi} \sin x \; dx$	
	$\lim_{n\to\infty} \sum_{i=1}^{n} \left[\sin\left(\frac{\pi}{2}+\frac{\pi i}{n}\right)\right] \cdot \left(\frac{\pi}{n}\right)$
$\int_{\pi/4}^{3\pi/4} \sin x \; dx$	
	$\lim_{n\to\infty} \sum_{i=1}^{n} \sqrt{5+\frac{12i}{n}} \cdot \frac{3}{n}$
	$\lim_{n\to\infty} \sum_{i=1}^{n} \sqrt{1+\frac{4i}{n}} \cdot \left(\frac{4}{n}\right)$
$\int_{2}^{5} \sqrt{1+4x} \, dx$	

	$\lim_{n\to\infty}\sum_{i=1}^{n}\sqrt{1+\frac{3i}{n}}\cdot\left(\frac{3}{n}\right)$
$\int_{1}^{e}\ln x\ dx$	
	$\lim_{n\to\infty}\sum_{i=1}^{n}\left[\ln\left(1+\frac{e\cdot i}{n}\right)\right]\cdot\left(\frac{e}{n}\right)$
$\int_{e}^{2e}\ln x\ dx$	