

MAT 126, Lecture 1, Sept 1, 2020

Write in Σ notation: $1+2+3 + \dots + 20$

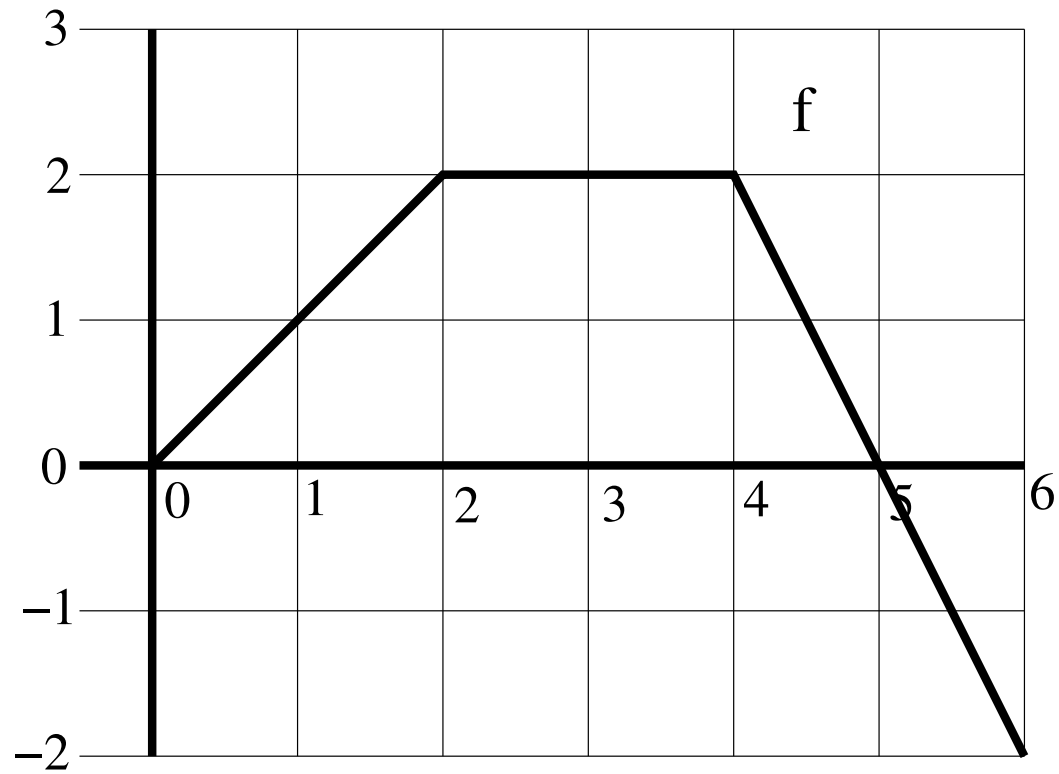
Write in Σ notation: $1+3 + 5 + 7 \dots + 101$

Expand and evaluate: $\sum_{n=1}^3 n^2$

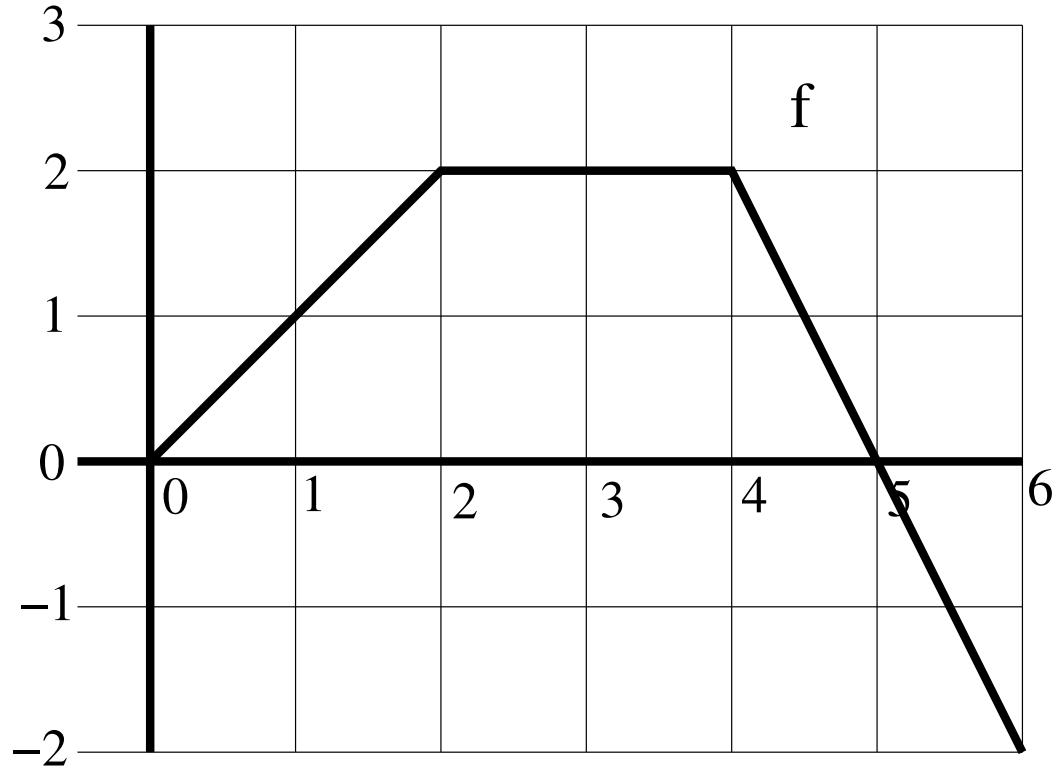
Expand and evaluate: $\sum_{k=0}^5 2^k$

Evaluate: $\sum_{n=1}^{100} n$

Find $\int_0^6 f(x)dx$ exactly using areas.



Approximate $\int_0^6 f(x)dx$ using 6 intervals and left-hand rule.



Approximate $\int_0^6 f(x)dx$ using 3 intervals and right-hand rule.

