Algorithm: Trapezoidal Rule

- Read function, lower limit a, upper limit b, number of sub-intervals n

- Set h = $\dfrac{b-a}{n}$

- sum = $f(a) + f(b)$

- For i = 1 to (n-1) in steps of 1 do
    - $sum \mathrel{+}= 2 * f(a + i * h)$
  End for

- Integral = $\dfrac{sum * h}{2}$

- Print integral

  END