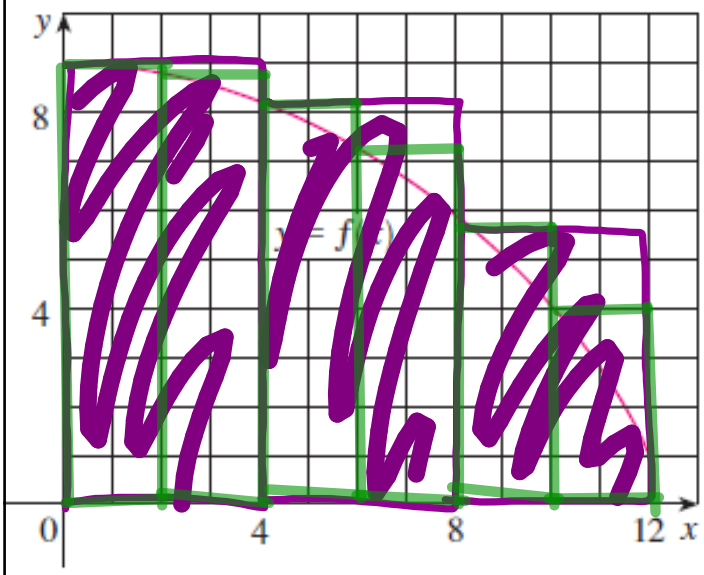


Area under $y=f(x)$ $[0,12]$ ↳ up to $y=0$

LRAM

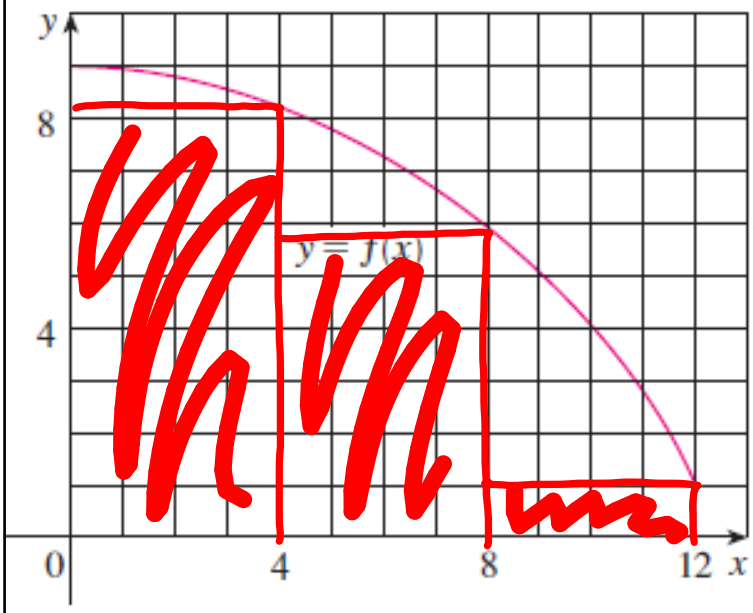
Left end Rect Approx Method

$n=3$: # of rect.

Area under $y=f(x)$ $[0,12]$ $\approx 4(9)+4(8.25)+4(5.75)$

$= 4(9+8.25+5.75)$

$= 92$

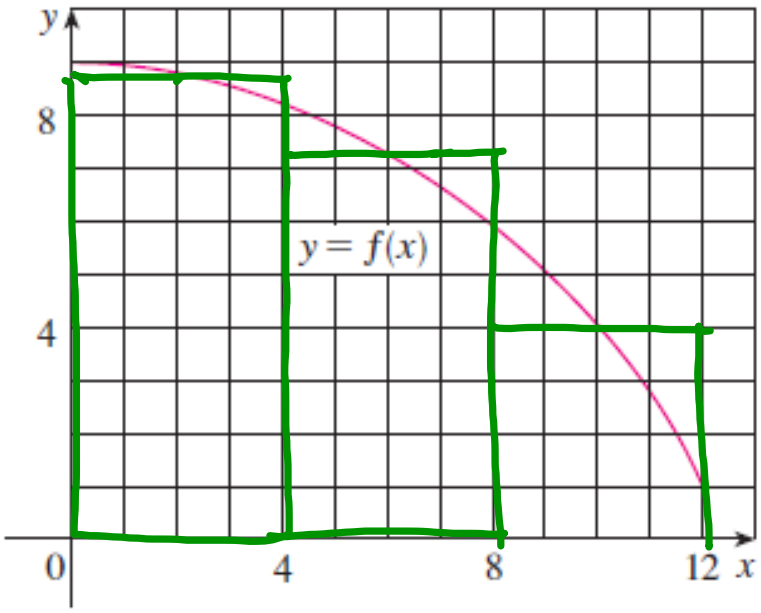


RRAM

Area: $4(8.25)+4(5.75)+4(1)$

$=4(8.25+5.75+1)$

$=4(15)=60$



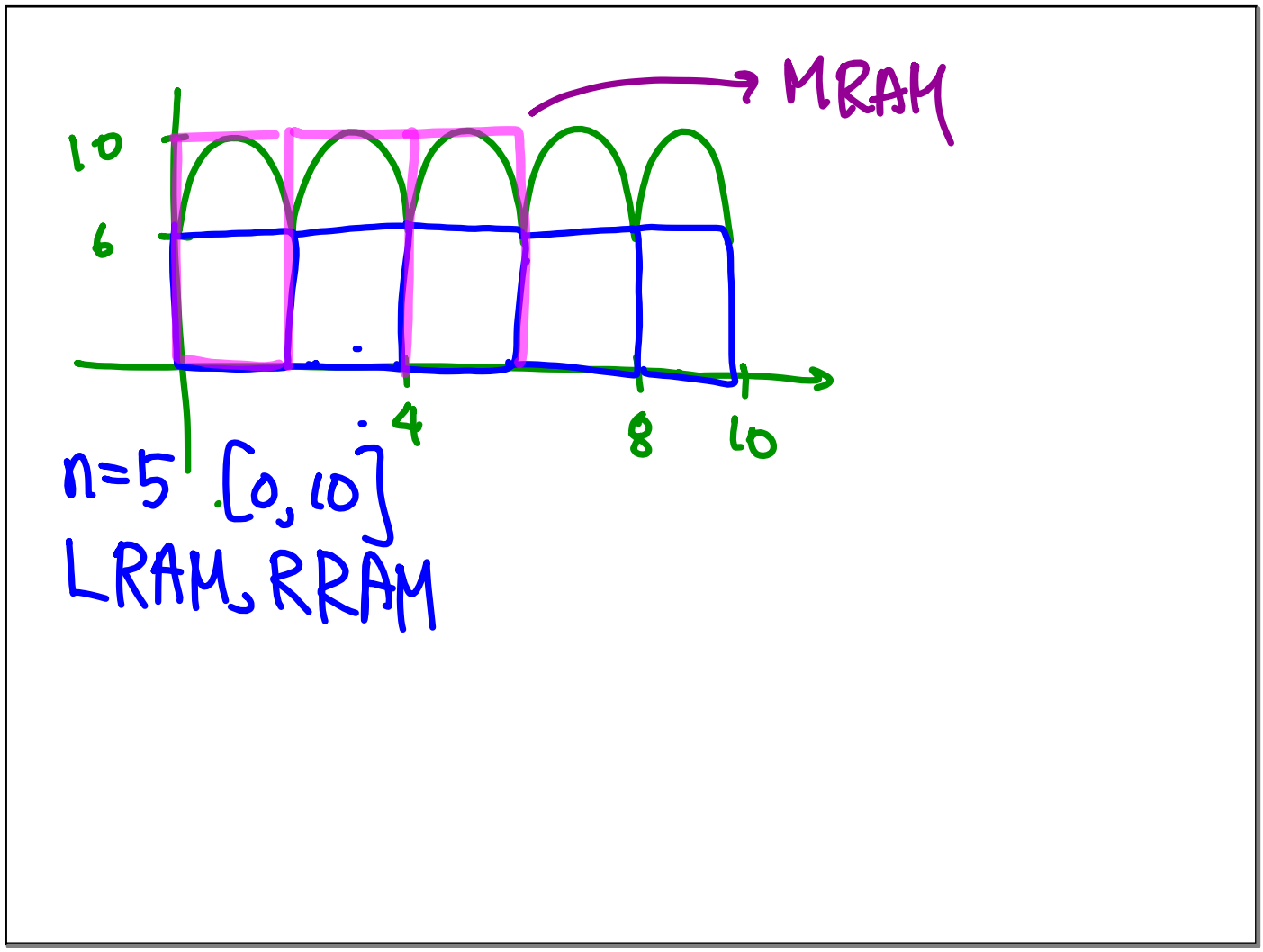
MRAM

AREA: 4(8.75)+4(7.25

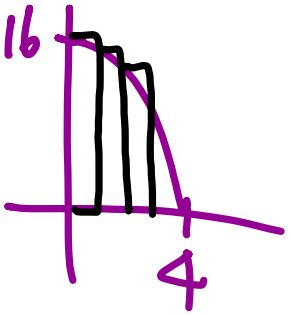
+4(4)

=4(8.75+7.25+4)

= 80


MRAM
10
6
4
8
10
n=5
[0, 10]
LRAM, RRAM

$y = -x^2 + 16$ Area under $y = -x^2 + 16$ for $[0, 4]$, $n = 4$



① LRAM : $w = 1$

$1(16) + 1(15) + 1(12) + 1(7)$

$f(0)$ $f(1)$ $f(2)$ $f(3)$

≈ 50