

Ch 6.1.2 # 7-12, 16, 18

7.	LRAM	MRAM	RRAM
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n = 10: 1.32 1.32 1.32
n = 50: 1.3328 1.3328 1.3328
n = 150: 1.3332 1.3332 1.3332
n = 500: 1.3333 1.3333 1.3333

8. The area of region R is likely $1 \frac{1}{3}$

9. $f(x) = x^2 - x + 3$, $a = 0$, $b = 3$

RRAM: 13.5090045

LRAM: 13.4910045

MRAM: 13.5000045

estimate: 13.5

10. $f(x) = 1/x$, $a = 1$, $b = 3$

RRAM: 1.097945918

LRAM: 1.099279252

MRAM: 1.098612585

estimate: 1.1

11. $f(x) = e^{-x^2}$, $a = 0$, $b = 2$

RRAM: 0.881099682

LRAM: 0.8830630507

MRAM: 0.8820813663

estimate: 0.882

12. $f(x) = \sin(x)$, $a = 0$, $b = \pi$

RRAM: 0.0861930554

LRAM: 0.0860208846

MRAM: 0.08610697

estimate: 0.0861

16.

LRAM: 87

RRAM: 87

18.

LRAM: 349

RRAM: 384