32)
$$f(x) = x^{\frac{1}{4}} - 3$$

= $\sqrt[4]{x} - 3$

34)
$$f(x) = x^2 + x - \sin x + 3$$

5.1 Even Answers

, n	LRAM,	MRAM _n	RRAM _n
10	1.16823	1.09714	1.03490
50	1.11206	1.09855	1.08540
100	1.10531	1.09860	1.09198
500	1.09995	1.09861	1.09728
1000	1.09928	1.09861	1.09795

Estimate the area to be 1.0986.

5.1 Even Answers (continued)

n	LRAM	MRAM _n	RRAM,
10	1.98352	2.00825	1.98352
50	1.99934	2.00033	1.99934
100	1.99984	2.00008	1.99984
500	1.99999	2.00000	1.99999

Estimate the area to be 2.

8)

RRAM = 3840 Ft

Average = 3665 ft

5.2 Even Answers

2)
$$\int_{-2}^{5} x^{2} - 3x dx$$

4)
$$\int_{2}^{3} \frac{1}{1-x} dx$$

6)
$$\int_{-10}^{10} \sin^3 x \, dx$$

$$10) \frac{3\pi}{2}$$

16)
$$\int_{-4}^{6} \sqrt{16-x^2} dx = 4\pi$$

18)
$$\int_{-1}^{1} |-|x| dx = 1$$

20)
$$\int_{-1}^{1} 1 + \sqrt{1-x^2} dx = 2 + \frac{\pi}{2}$$

$$24) \int_{0}^{b} 4x dx = 2b^{2}$$

26)
$$\int_{a}^{b} 3t \, dt = \frac{3}{2} \left(b^{2} - a^{2} \right)$$

$$28) \int_{a}^{a\sqrt{3}} x \, dx = a^{2}$$

$$(2) (a) (2 (b) (9 (c) - 2)$$

 $(3) (1 (e) - 6 (f) (1)$

$$20)\frac{8}{3}$$

$$(22) a) - \frac{2}{3} b) 3$$

$$(24) a) - \frac{25}{3} b) 13$$

26)
$$x = \sqrt{3}$$
 30) $\frac{4-11}{4}$