

CW 5-2 Pg 282 #'s 1-39 odds

1. $\int_0^2 x^2 dx$

25 $b^2 - a^2$

3. $\int_1^4 \frac{1}{x} dx$

27 $\frac{3}{2} a^2$

5. $\int_0^1 \sqrt{4-x^2} dx$

29 $\int_8^{11} 87 dt = 261 \text{ miles}$

7. $\int_{-2}^1 5 dx = 15$

31 $\int_b^{7.5} 300 dt = 450 \text{ calories}$

9. -480

33 ≈ 0.9905

11. 2.75

35 ≈ 10.667

13. 21

37 a) discontinuous at 0.
b) 1

15 $\frac{9\pi}{2}$

39 a) $x = -1$

17 $\frac{5}{2}$

b) $-\frac{7}{2}$

19 3

21 $\frac{3\pi^2}{2}$

23 $\frac{1}{2} b^2$