

**Section 5-1: Additional Problems Solutions**

1. base of each rectangle =  $\frac{8-2}{4} = 1.5$

$$1.5 * f(2) + 1.5 * f(3.5) + 1.5 * f(5) + 1.5 * f(6.5)$$

Answer: 280.5

2. (a)  $1 * f(1) + 1.5 * f(2.5) + 0.5 * f(3) + 2 * f(5) =$   
 $1 * 7 + 1.5 * 10 + 0.5 * 13 + 2 * 18 = 64.5$

(b)  $1.5 * f(1) + 0.5 * f(2.5) + 2 * f(3) + 1 * f(5) =$   
 $1.5 * 7 + 0.5 * 10 + 2 * 13 + 1 * 18 = 59.5$