

Mark's #2:

$$f := x \mapsto 4 + 8 \cdot x^2$$

$$f := x \mapsto 4 + 8 \cdot x^2 \quad (1.1)$$

6 rectangles for 4.1 #2

$$a := -1; \quad b := 2; \quad n := 6$$

$$a := -1$$

$$b := 2$$

$$n := 6 \quad (1.2)$$

$$xk := k \mapsto -1 + \frac{k \cdot (b - a)}{n}$$

$$xk := k \mapsto -1 + \frac{k \cdot (b - a)}{n} \quad (1.3)$$

$$\frac{(b - a)}{n} \sum_{k=1}^n (f(xk(k)))$$

$$43 \quad (1.4)$$

10 Rectangles

$$n := 10$$

$$n := 10 \quad (1.5)$$

$$\frac{(b - a)}{n} \sum_{k=1}^n (f(xk(k)))$$

$$\frac{1149}{50} \quad (1.6)$$

Victor's:

$$f := x \mapsto 3 + 4 \cdot x^2$$

$$f := x \mapsto 3 + 4 \cdot x^2 \quad (2.1)$$

Victor's n = 6

$$a := -1; \quad b := 2; \quad n := 6$$

$$a := -1$$

$$b := 2$$

$$n := 6 \quad (2.2)$$

$$xk := k \mapsto -1 + \frac{k \cdot (b - a)}{n}$$

$$xk := k \mapsto -1 + \frac{k \cdot (b - a)}{n} \quad (2.3)$$

$$\frac{(b-a)}{n}\sum_{k=1}^n(f(xk(k)))$$

$$\frac{49}{2}$$

(2.4)

Victor's n = 10

$$n := 10$$

$$n := 10$$

(2.5)

$$\frac{(b-a)}{n}\sum_{k=1}^n(f(xk(k)))$$

$$\frac{1149}{50}$$

(2.6)