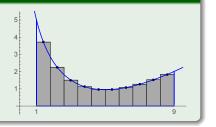# Clicker Questions

More is better

Suppose we repeated the previous example with 10 rectangles instead of 4. What improvement would result from this change?

A. we can be sure the estimate is too low

B. the estimate is probably more accurate

C. the estimate is easier to calculate

D. we can be sure the estimate is too high

E. none of the above

Clicker Question 2

Sigma notation

What quantity does the expression

$$\sum_{i=3}^{6}(x_i + i)^2$$

represent?

A. $(x_1 + 1)^2 + (x_2 + 1)^2 + (x_3 + 1)^2 + (x_4 + 1)^2 + (x_5 + 1)^2 + (x_6 + 1)^2$

B. $(x_3 + 3)^2 + (x_4 + 4)^2 + (x_5 + 5)^2 + (x_6 + 6)^2$

C. $(x_i + 3)^2 + (x_i + 4)^2 + (x_i + 5)^2 + (x_i + 6)^2 + (x_i + 7)^2 + (x_i + 8)^2$

D. $(x_3 + i)^2 + (x_4 + i)^2 + (x_5 + i)^2 + (x_6 + i)^2 + (x_7 + i)^2 + (x_8 + i)^2$

E. $3(x_i + i)^2$