

Solution 23.5

The true value is $1/x = 1/5 = 0.2$.

$$D(2) = \frac{1.94591 - 1.098612}{2(2)} = 0.211824$$

$$D(1) = \frac{1.791759 - 1.386294}{2(1)} = 0.202733$$

$$D = \frac{4}{3}(0.202733) - \frac{1}{3}(0.211824) = 0.199702$$