Quiz 8.4 – The Fundamental Theorem of Calculus (Part 1)

1. (1 pt) alfredLibrary/AUCI/chapter8/lesson4/quiz/FTC1pet.pg
Use Part 1 of the Fundamental Theorem of Calculus to evaluate the definite integral.

$$\int_3^9 \frac{6}{\sqrt{x}}\,dx = \underline{\hphantom{xxxxxxxx}}$$

2. (1 pt) alfredLibrary/AUCI/chapter8/lesson4/quiz/FTC3pet.pg
Use Part 1 of the Fundamental Theorem of Calculus to evaluate the definite integral.

$$\int_{0.8}^1 6\sec^2(x)\,dx = \underline{\hphantom{xxxxxxxx}}$$

3. (1 pt) alfredLibrary/AUCI/chapter8/lesson4/quiz/FTC5pet.pg
Use Part 1 of the Fundamental Theorem of Calculus to evaluate the definite integral.

$$\int_3^4 -\frac{3}{x^5}\,dx = \underline{\hphantom{xxxxxxxx}}$$