2. (5 points) Suppose \( \int_{4}^{9} (4f(x) + 7)dx = 315 \). Find \( \int_{4}^{9} f(x)dx \).

3. (5 points) Use the Fundamental Theorem to determine the positive value of \( b \) if the area under the graph of \( f(x) = 4x + 1 \) between \( x = 2 \) and \( x = b \) is equal to 11.