

1) Evaluate $\int_2^4 (x^2 - 6x + 9) dx$ (Give answers as reduced fraction.)

2) Evaluate: $\int_1^2 \left[4\sqrt{x} - \frac{5}{x} \right] dx$ (Round to three decimal places, if necessary.)

3) Evaluate $\int_1^3 \frac{2x^5 - 6}{x^2} dx$ (Round to three decimal places, if necessary.)

4) Evaluate: $\int_0^2 \frac{4x + 1}{4x^2 + 2x + 2} dx$ (Round to three decimal places.)

Answer Key

Testname: WORKSHEET 5.3 DEFINITE INTEGRAL

1) $\frac{2}{3}$

2) 1.410

3) 36

4) 1.199