

NAME: \_\_\_\_\_

(1) Use geometry to evaluate  $\int_{-1}^3 (x + 1) dx$ .

(2) Use the definition of definite integral to evaluate  $\int_{-1}^3 (x + 1) dx$ .

(3) Use the Fundamental Theorem of Calculus to evaluate  $\int_{-1}^3 (x + 1) dx$ .