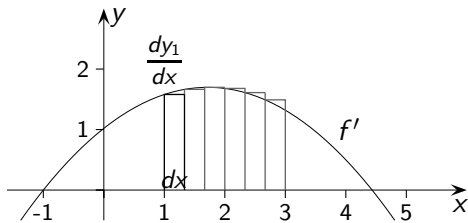
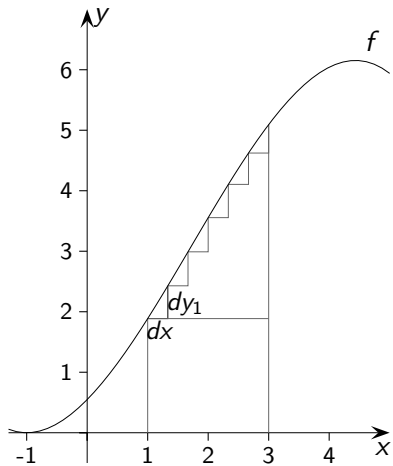
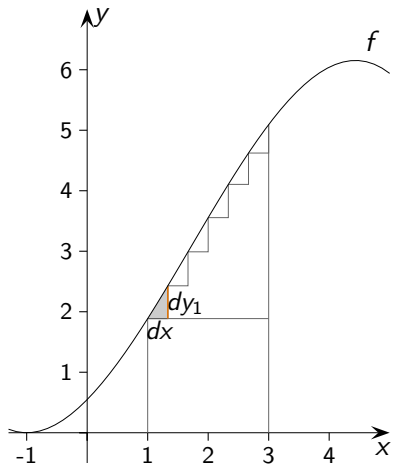


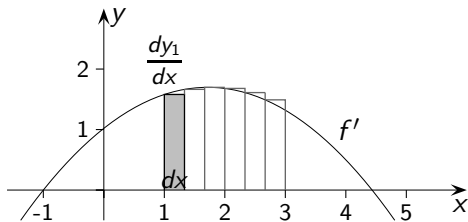
Zum Hauptsatz der Differenzial- und Integralrechnung

G.Roofls

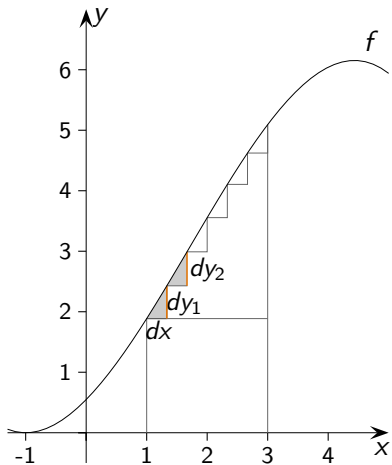




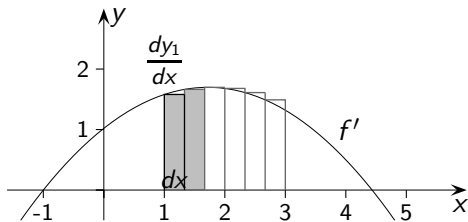
$$A = dy_1$$



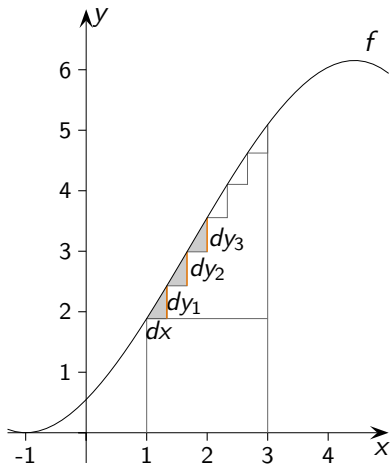
$$A_1 = \frac{dy_1}{dx} \cdot dx = dy_1$$



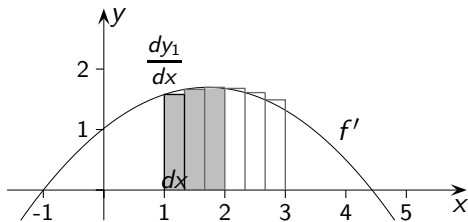
$$A = dy_1 + dy_2$$



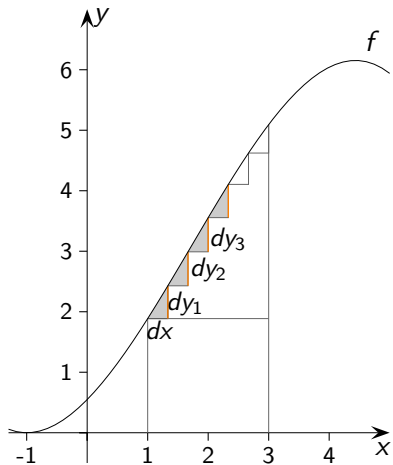
$$A_2 = \frac{dy_2}{dx} \cdot dx = dy_2$$



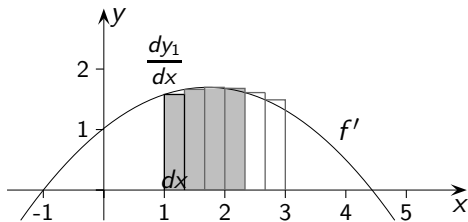
$$A = dy_1 + dy_2 + dy_3$$



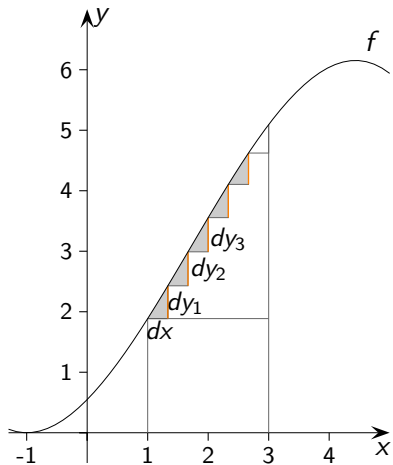
$$A_3 = \frac{dy_3}{dx} \cdot dx = dy_3$$



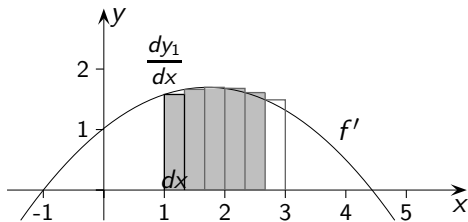
$$A = dy_1 + dy_2 + dy_3 + dy_4$$



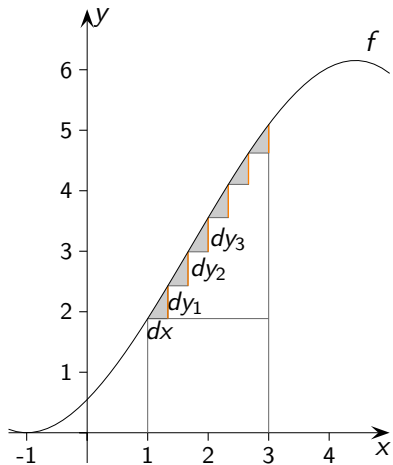
$$A_4 = \frac{dy_4}{dx} \cdot dx = dy_4$$



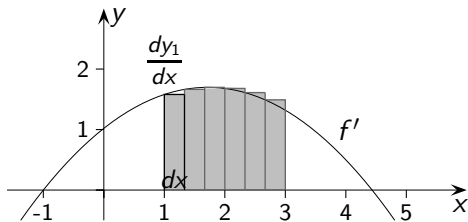
$$A = dy_1 + dy_2 + dy_3 + dy_4 + dy_5$$



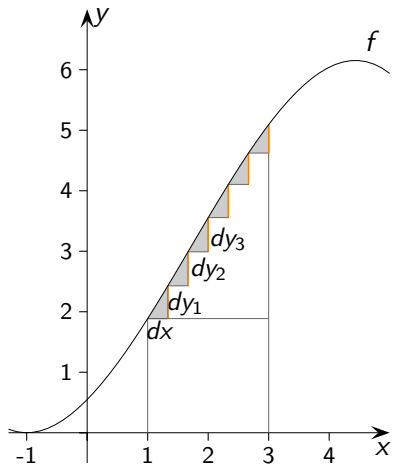
$$A_5 = \frac{dy_5}{dx} \cdot dx = dy_5$$



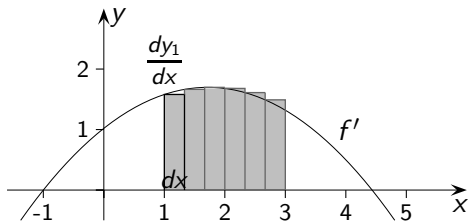
$$A = dy_1 + dy_2 + dy_3 + dy_4 + dy_5 + dy_6$$

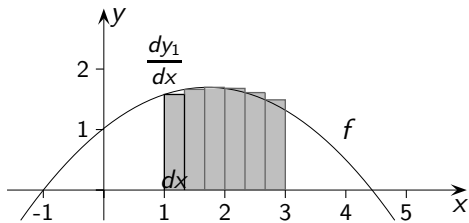
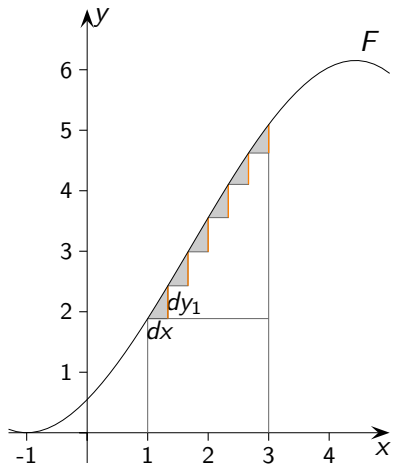


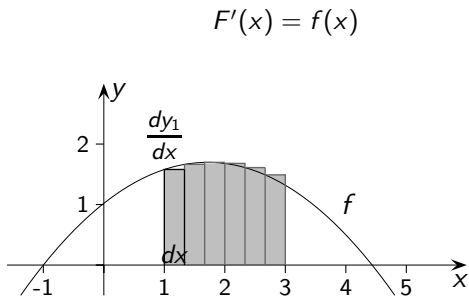
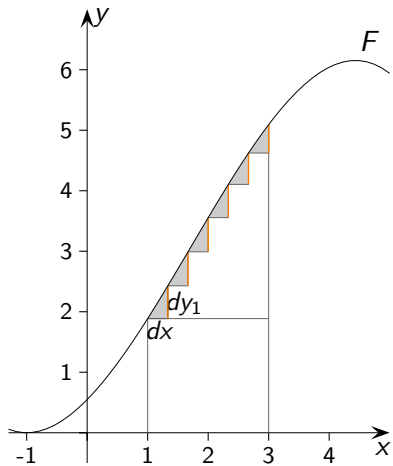
$$A_6 = \frac{dy_6}{dx} \cdot dx = dy_6$$

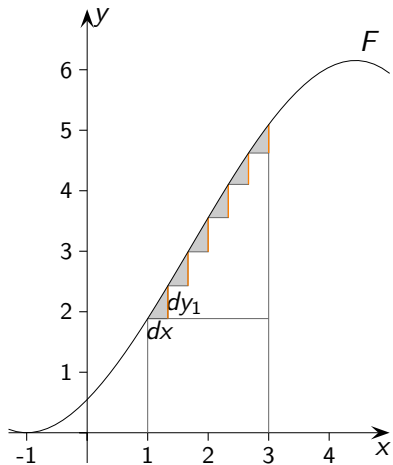


$$A = f(3) - f(1)$$

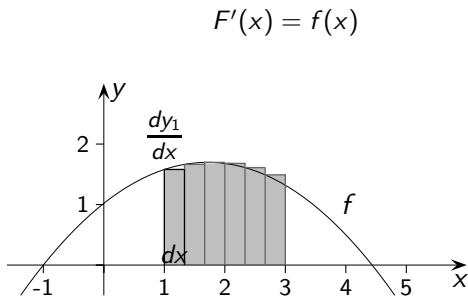


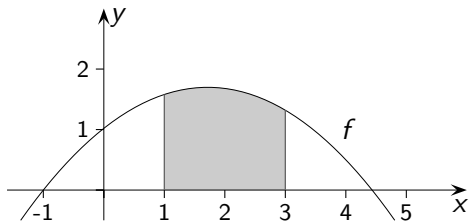
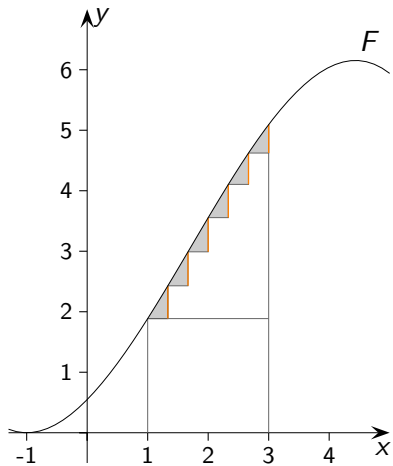


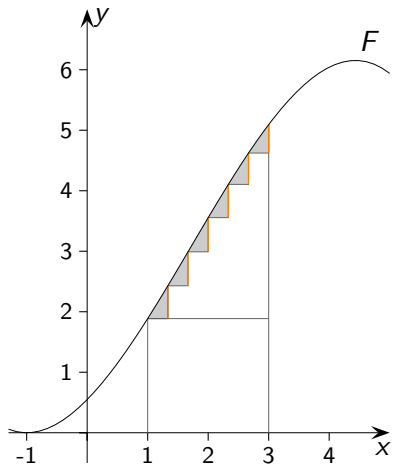




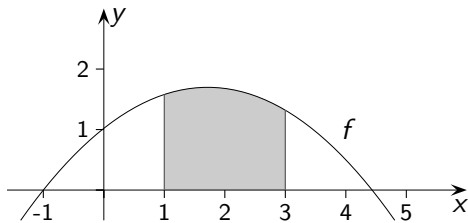
$$A = F(3) - F(1)$$

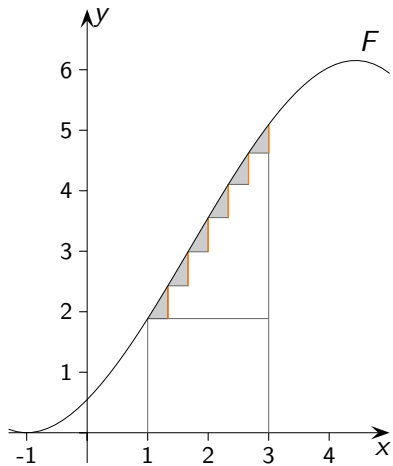




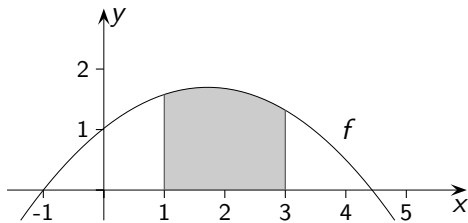


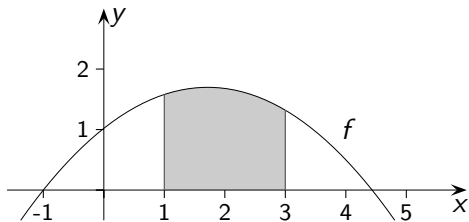
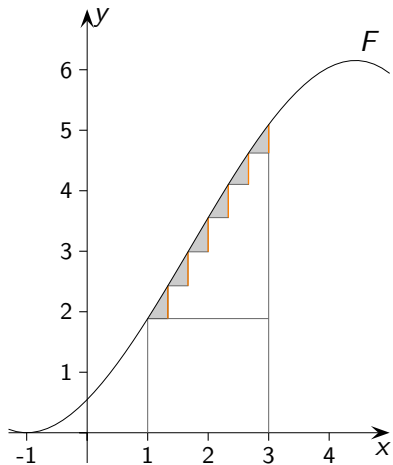
$$A = \int_1^3 f(x) dx =$$



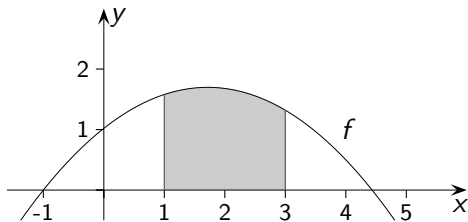
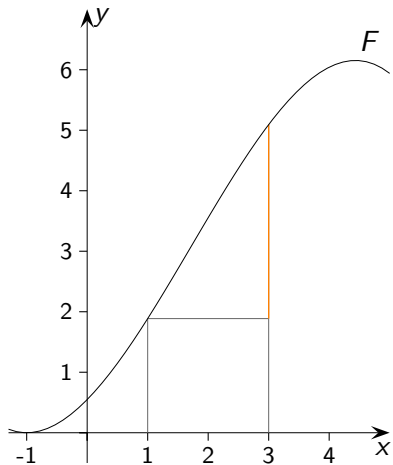


$$A = \int_1^3 f(x) dx = [F(x)]$$

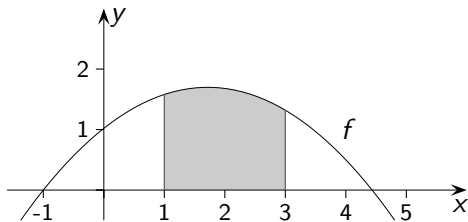




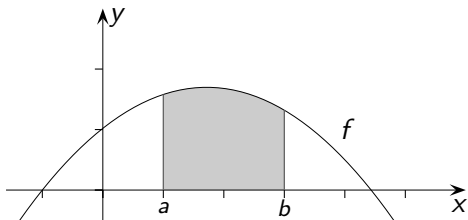
$$A = \int_1^3 f(x) dx = \left[F(x) \right]_1^3 =$$



$$A = \int_1^3 f(x) dx = \left[F(x) \right]_1^3 = F(3) - F(1)$$



$$A = \int_1^3 f(x) dx = \left[F(x) \right]_1^3 = F(3) - F(1)$$



$$A = \int_a^b f(x) dx = \left[F(x) \right]_a^b = F(b) - F(a)$$