$$\frac{2}{2} \int (x) = \int x^{r-1}, \quad x \ge 1, \quad r \ge 2$$

$$\frac{1}{2} \int (x) = \int x^{r-1} dy = 1 - \frac{1}{x^{r}}$$

$$\frac{1}{2} \int x^{r} = u d$$

$$\frac{1}{x^{r}} = u d$$

$$\frac{1}{x^{r}} = 1 - u$$

$$\frac{1}{x^{r}} = \frac{1}{x^{r}}$$

$$\frac{1}{x^{r}} = \frac{1}{x^{r}}$$