1) 
$$\int \frac{\operatorname{dxlonx}}{x^{2}(Hx^{2})} dx = \frac{\operatorname{arctonx}}{\operatorname{du}} \frac{\operatorname{dv} - \frac{1}{4}}{\operatorname{dv}} \frac{\operatorname{dv}}{v^{2} - \frac{1}{4}}$$

$$= -\frac{1}{x} \operatorname{arctonx} - \int -\frac{1}{x} \cdot \frac{1}{1+x^{2}} dx = -\frac{1}{x} \operatorname{arctonx} + \int \frac{\operatorname{arctonx}}{\operatorname{dv}} \frac{\operatorname{dv}}{\operatorname{dv}} \frac{\operatorname{dv}}{\operatorname{dv}} \frac{\operatorname{arctonx}}{\operatorname{dv}} + \int \frac{\operatorname{arctonx}}{\operatorname{dv}} \frac{\operatorname{dv}}{\operatorname{dv}} \frac{\operatorname{dv}}{\operatorname{dv}} \frac{\operatorname{arctonx}}{\operatorname{dv}} \frac{\operatorname{dv}}{\operatorname{dv}} \frac{\operatorname{dv}}{\operatorname{dv}} \frac{\operatorname{arctonx}}{\operatorname{dv}} \frac{\operatorname{dv}}{\operatorname{dv}} \frac{\operatorname{dv}}{\operatorname{$$

