If $V = 8 \text{tr} r^2$, what is the correct expression

For $\frac{dV}{dt}$

Since IT of 8 are constants we can we tre

constant rule $\frac{d}{dx}Cu^2 = C \cdot \frac{d}{dx}u^2$ then the product only on u^2

 $\frac{dV}{dt} = 8\pi \frac{dV}{dt} r^2$

= 8TT 2 T = 16TT (