

## An Old u-Substitution Quiz

1.  $\int \frac{y}{\sqrt{y^2 - 7}} dy$

2.  $\int_{\pi/6}^{\pi/3} \frac{\sin(3x)}{2 + \cos(3x)} dx$

3.  $\int \tan(x) \ln(\cos(x)) dx$

4.  $\int \frac{y^3}{\sqrt{y^2 - 7}} dy$