Rewrite the Integral in terms of u

1. If
$$\int_0^3 \sqrt{y+1} \, dy$$
 and $u = y + 1$, then

2. If
$$\int_0^1 r \sqrt{1 - r^2} dr$$
 and $u = 1 - r^2$, then

3. If
$$\int_{-\pi}^{0} tanxsec^{2} x dx$$
 and $u = tanx$, then

4. If
$$\int_{-1}^{1} \frac{5r}{(4+r^2)} dr$$
 and $u = 4 + r^2$, then

5. If
$$\int_0^1 \frac{10\sqrt{\theta}}{(1+\theta^{\frac{3}{2}})} d\theta$$
 and $u = 1 + \theta^{\frac{3}{2}}$, then

6. If
$$\int_{-\pi}^{\pi} \frac{\cos x}{\sqrt{4+3\sin x}} dx$$
 and $u = 4 + 3\sin x$, then

7. If
$$\int_0^1 \sqrt{t^5 + 2t} (5t^4 + 2) dt$$
 and $u = t^5 + 2t$, then

8. If
$$\int_0^{\frac{\pi}{6}} \cos^{-3}2\theta \sin 2\theta \ d\theta$$
 and $u = \cos 2\theta$, then

9. If
$$\int_0^1 \frac{x^3}{\sqrt{x^4+9}} dx$$
 and $u = x^4 + 9$, then

10. If
$$\int_0^2 \frac{e^x}{3+e^x} dx$$
 and $u = 3 + e^x$, then