$$
\begin{aligned}
& \text { 7) } \int-25 x^{4} \sec ^{2}\left(5 x^{5}+4\right) d x \\
& \begin{array}{l}
J=5 x^{5}+4 \\
-d u=25 x^{4} d x-\tan \left(5 x^{5}+4\right)+C
\end{array} \\
& -\int \cdot \sec ^{2}(u) d u
\end{aligned}
$$

$$
\begin{aligned}
& d u=5 \sec ^{2}(5 x) d x \\
& \int\left(u^{5} d u\right.
\end{aligned}
$$

$$
\begin{aligned}
& d u=20 x^{3} d x \int_{\text {lenegi }}(u)^{3} d u \underbrace{\frac{\left(5 x^{4}-2\right)^{4}}{4}+c c} \\
& y=\cot 5 x \\
& \text { 县 } \\
& \int_{u^{3}} d u=\frac{u^{4}}{4}\left(\frac{\cot 5 x}{4}\right)-(C
\end{aligned}
$$

$$
\begin{aligned}
& d v=8 x d x \quad \begin{array}{l}
2-v^{2}=-4 \\
=18
\end{array} \\
& \frac{d v}{-u^{2}}=-u^{-2} d u=\frac{-u^{-1}}{-1}=\frac{1}{u} \\
& \begin{array}{l}
\begin{array}{l}
u=x^{3}+1 \\
2 d v=3 x^{2}(2)^{-1}
\end{array} \quad 2(v)^{3} d v^{-\left(x^{3}+1\right)^{9}} 4 \\
2\left(-1^{3}+1\right)^{4}
\end{array} \\
& 8-0=8
\end{aligned}
$$

$$
\begin{aligned}
& \begin{array}{l}
d u=8 x \\
3 d u=24 x
\end{array} \quad 3 \int_{0}^{1} \frac{d u}{u^{2}} \frac{-1}{u} \frac{-3}{4 x^{2}+3}
\end{aligned}
$$

$$
\begin{aligned}
& d n=6 x \quad \frac{-3}{3 x+3}=\frac{-1}{2}+\frac{-3}{15} \\
& \frac{-1}{2}+\frac{-1}{5}-\frac{-5}{16}-\frac{2}{16}=\frac{-7}{16}
\end{aligned}
$$

