1. $\int \tan ^{3}(x) \sec ^{8}(x) d x=$
$\qquad$
2. $\quad \int \cos ^{3}(x) \sin ^{6}(x) d x=$
3. $\int \cos ^{5}(x) d x=$
$\qquad$
4. $\int \tan ^{6}(x) \sec ^{4}(x) d x=$
