## Quiz $4 \quad$ Calculus $1 \quad$ 10/8/2012

Each problem is worth 5 points. Clear and complete justification is required for full credit.

1. If $f(x)=(\sin x)^{3}$, what is $f^{\prime}(x)$ ?
2. If $g(x)=\ln (\cos x)$, what is $g^{\prime}(x)$ ?
