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'(x)?

f(x):(sin x)3

f(x): 3(sin x) · cos x = 3 cos x (sin x)

Great

2. If $g(x) = \ln(\cos x)$, what is g'(x)?

g(x): In (cos x)

g(x) = 1 - sin x

cos x

Excellent!