

Math 101 – Quiz# 4

Name: _____ Serial#: _____

1. Find the point(s) where the tangent to the curve $y = \frac{2x^2}{9-x^2}$ is horizontal.

2. Find $\frac{dy}{dx}$ if $y = \sqrt{\csc^3 7x}$.

3. Given $f(x) = x^2 g(x)$, $g(3) = 8$ and $g'(3) = 2$, find $f'(3)$.