

SAMPLE QUESTIONS FOR QUIZ 6
PART 1

Differentiate each function

1. $f(x) = \tan(x) + \frac{1}{\cos(x)}$

2. $h(x) = (2x + \cos(x)) \cdot (x^2 - e^x + \pi)$

3. $f(x) = \frac{\sec(x)}{1 - \sqrt{x}}$

4. $g(x) = \frac{\cos(x) - 1 - \sin(x) - (\sin(x))^2}{\sin(x)}$

5. $g(x) = \sin(2x)$