# Quiz 5 <span style="float:right">Fall 2016</span>

MATH 221

**Name:** _____

For full credit please explain all of your answers. **No calculators** are allowed.

**Problem 1.** Find the derivative of the following function:

$$\tan^3(\sqrt{\sin(7x)})$$

**Problem 2.** Compute all asymptotes (horizontal, vertical, slant) of the following function. Explain your work:

$$\frac{x-1}{x^2-1}$$