

Math 151, Quiz # 2, September 10, 2013

1. Find the equation of the line that passes through the point $(3, -4)$ and is parallel to the line $y = 3x - 6$.
2. Find all values of x on the interval $[0, 2\pi]$ such that $\tan(x) = \sqrt{3}$.
3. Let $f(x) = ax + 3$ for some constant a . For what values of a does this function have an inverse? Compute $f^{-1}(x)$ when $a = 2$. What is $f^{-1}(19)$? Use the function $f(x)$ to double check your answer.