Quiz 3

Math 3C: Precalculus

October 17, 2019

When you finish, please remain seated until class is dismissed

Name: _____ PID: _____

Problem 1 (5 points). Let $f(x) = \sqrt{x-4} + 1$.

(a) Determine a formula for $f^{-1}(x)$.

(b) What is the range of $f(x)$?

(c) What is the domain of $f^{-1}(x)$?

Problem 2 (5 points). (a) Sketch the line $p(d) = \frac{1}{4}d - 2$.

(b) Let $q(d) = \frac{1}{2}d + 3$. Where do the lines $p(d)$ and $q(d)$ intersect? Write your answer as a coordinate pair.