

Name: _____

College Algebra: Quiz #14 (Solutions)

1. Find the inverse of $f(x) = 5x + 3$.

Solution: If a function has an inverse, we can *sometimes* find it by swapping the roles of x and $f(x)$ and then solving for $f(x)$. In this case, we write our equation as

$$x = 5f(x) + 3$$

and then solve for $f(x)$ as

$$f(x) = \frac{x - 3}{5}$$