**Inverse Functions**

Step 1: Replace f (x) with \_\_\_\_\_\_\_

Step 2: \_\_\_\_\_\_\_\_\_\_\_\_ x and y

Step 3: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ for y

Step 4: Replace y with \_\_\_\_\_\_\_\_\_\_\_\_\_\_ to indicate the inverse function

**Example:** Find the inverse function for f(x).

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| *f* (*x*) = 2*x* – 3 |
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We can verify two functions are inverses of one another by using \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (remember this is a function inside of another function).

**To \_\_\_\_\_\_\_\_\_\_ inverses:**

1.) compose \_\_\_\_\_\_\_\_

2.) compose \_\_\_\_\_\_\_\_

If \_\_\_\_\_\_ compositions result in "\_\_\_\_" then the two functions are

inverses of one another.

**Example:** Verify that two functions are inverses using compositions of functions.

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