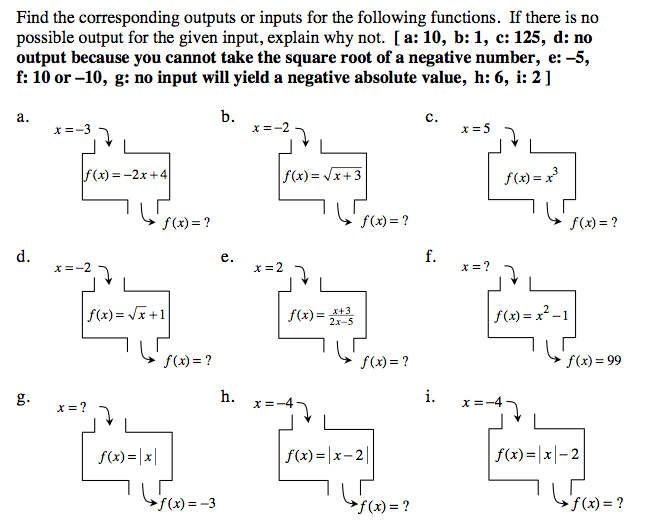
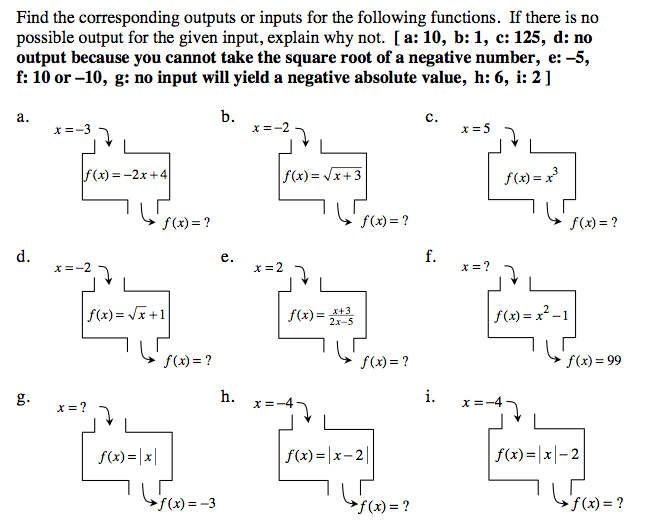
**8.6 Combination and Composition of Functions**

**Function Notation Review**

Find the corresponding outputs or inputs for the following functions.

****

**Combination of Functions**

Use the following functions for examples 1-3:

4

1. 2. 3.

**Composition of Functions**

When the output of a function depends on an \_\_\_\_\_\_\_\_ that is itself the \_\_\_\_\_\_\_\_ of another function

*Compute*  *in two different ways given* *and*.

|  |  |
| --- | --- |
| 1. Find: 2. Find : | 1. Find: 2. Find : |

|  |  |
| --- | --- |
| **Composition**  =  = | **Explanation**  Find . Then use that output to find .  Find . Then use that output to find . |

**Use the following functions for examples 1-2:**

1. Compute or find. 2. Compute or find .

Now find Now find