Function Notation

Name: _____

Let $f(x) = x^2 + 3$ and $g(x) = x + 1$

Find the following values:

1. $f(3) =$

2. $g(3) =$

3. $f(-2) =$

4. $g(0) =$

5. $g(-5) =$

6. $f(10) =$

7. $f(2) + g(1) =$

8. $g(-1) + f(1) =$

9. $f(g(2)) =$

10. $g(f(0)) =$

11. If $f(x) = x^2 - 3x$, what is the value of $f(5)$?

12. If $f(x) = -3x + 1$, what is $f(3)$?

Given the function and domain, find the range.

13. $g(x) = -6x - 1$ D = $\{-2, -1, 0, 5\}$

14. $h(x) = -3x^2 + x + 8$ D = $\{-2, -1, 0, 1\}$