Standard H.2A.5.C3: I can solve equations in function notation

Directions: **Solve each function for the requested value.**

1. Let $g(x) = x^2 - 5x + 2$. Find the following:

a. $g(-1)$ **b.** $g(-2)$ **c.** $g(0)$ **d.** $g(5)$

2. Let $f(x) = 2x^2 + 2$. Find each of the following:

a. $f(-3)$ **b.** $f(6)$ **c.** $f(-1)$ **d.** $f(4)$

3. Let $g(x) = x^2 + 4x - 1$. Find the following:

a. $g(-4)$ **b.** $g(8)$ **c.** $g(-1)$ **d.** $g(1)$

4. Let $f(x) = 3x^2 - 5x$. Find each of the following:

a. $f(2)$ **b.** $f(-8)$ **c.** $f(7)$ **d.** $f(-1)$

5. Let $g(x) = -7x + 4$. Find the following:

a. $g(-5)$ **b.** $g(2)$ **c.** $g(-1)$ **d.** $g(0)$

6. Let $f(x) = 3x^2 - 1$. Find each of the following:

a. $f(9)$ **b.** $f(-2)$ **c.** $f(5)$ **d.** $f(0)$

7. Let $g(x) = -4x^2 - 3x - 7$. Find the following:

a. $g(-4)$ **b.** $g(-1)$ **c.** $g(0)$ **d.** $g(3)$

8. Let $f(x) = x^2 - 2x$. Find each of the following:

a. $f(-5)$ **b.** $f(2)$ **c.** $f(-8)$ **d.** $f(1)$