Name: _____ Date: _____

Fresh Math

Functions

Solve for x. Show your work.

1. If $g(x) = 1x^2 - 2x + 6$, find $g(1)$
2. If $f(x) = 4x + 10$, find $f(-4)$, $f(-1)$, and $f(3)$
3. If $f(x) = 5x + 8$, find $f(-5)$, $f(-2)$, and $f(0)$
4. If $f(x) = 3x - 2$ and $f(x) = 1$, find x
5. If $h(x) = 4x - 2$ and $h(x) = 6$, find x
6. If $f(x) = -1x^2 - 2x + 9$, find $f(3)$
7. If $g(x) = 5x - 3$ and $g(x) = 7$, find x
8. If $g(x) = 1x^2 + 4$, find $g(-1)$

Functions - Answer Key

1. If $g(x) = 1x^2 - 2x + 6$, find $g(1)$

   $g(1) = 5$

2. If $f(x) = 4x + 10$, find $f(-4)$, $f(-1)$, and $f(3)$

   $f(-4) = -6$, $f(-1) = 6$, $f(3) = 22$

3. If $f(x) = 5x + 8$, find $f(-5)$, $f(-2)$, and $f(0)$

   $f(-5) = -17$, $f(-2) = -2$, $f(0) = 8$

4. If $f(x) = 3x - 2$ and $f(x) = 1$, find x

   $x = 1$

5. If $h(x) = 4x - 2$ and $h(x) = 6$, find x

   $x = 2$

6. If $f(x) = -1x^2 - 2x + 9$, find $f(3)$

   $f(3) = -6$

7. If $g(x) = 5x - 3$ and $g(x) = 7$, find x

   $x = 2$

8. If $g(x) = 1x^2 + 4$, find $g(-1)$

   $g(-1) = 5$