

Name: \_\_\_\_\_  
Date: \_\_\_\_\_  
Class: \_\_\_\_\_

Algebra  
Unit 10  
HW 10-2

1) Solve:  $(x - 2)^2 = 25$

2) Solve:  $2(x + 5)^2 - 50 = 150$

3) Solve:  $(x - 3)^2 + 10 = 38$

4) Solve using complete the square:  $x^2 + 8x - 2 = 0$

5) Find the zeros of this function using complete the square:  $y = x^2 - 4x - 2$

6) Solve using complete the square:  $2x^2 - 8x - 3 = 5x^2 + 4x + 7$

7) Find the solution to the system using complete the square:  
 $f(x) = 3x^2 + 2x + 45$  and  $h(x) = 2x^2 - 10x + 33$ .