

Practice Drill 4

Name:

Complete the squares for the following quadratic equations, then state the transformations, and determine the domain and range for each of the following.

1.  $f(x) = -3x^2 - 12x + 15$

3.  $g(x) = 2x^2 + 8x - 5$

2.  $h(x) = 5x^2 + 15x - 3$

4.  $g(x) = -4x^2 - 40x - 7$