

# Sophisticated Graphing

Set 6-4a

Graph the following and show the x-intercept, y-intercept and vertex.

1)  $y = x^2$

2)  $y = x^2 - 4$

3)  $f(x) = x^2 - 6x + 5$

4)  $g(x) = x^2 + 4x + 4$

5)  $y = x^2 - 2$