

Practice for Completing the Square (and Solving)

1/  $f(x) = x^2 + 10x + 6$  (-5,-19)

2/  $f(x) = 2x^2 + 12x + 16$  (-3,-2)

3/  $f(x) = -3x^2 + 6x + 1$  (1,4)

4/  $f(x) = -x^2 + 12x - 5$  (6,31)

5/  $f(x) = -\frac{1}{2}x^2 - x + \frac{3}{2}$  (-1,2)

6/  $f(x) = \frac{2}{3}x^2 + \frac{16}{3}x + \frac{25}{3}$  (-4,-\frac{7}{3})