Çankaya University
Department of Mathematics

MATH 105 Exercise Set

Sketch the graph of following quadratic functions. Please indicate vertex and x-interceps, y-interceps if any.

1. $y = -x^2 + 1$.

2. $y = (x-4)^2 - 9$

3. $y = -(x-1)^2 + 4$

4. $y = x^2 + 4x - 5$

5. $y = 2x^2 + 2x + 3$

6. $y + 1 = 2(x+2)^2$

7. $y = (x+1)^2 - 3$

8. $y = -x^2 + 2$

9. $y = x^2 + 6x + 5$

10. $y = -x^2 + 4x + 1$

11. $y = -(x-2)^2 + 1$

12. $y = (x-3)^2 - 4$

13. $y = x^2 + 6x + 10$

14. $y = x^2 - 7x + 75$

15. $y = -x^2 + 11x - 33$