

Name:

Group 1

Result:

1. Sketch the graphs of the following functions:

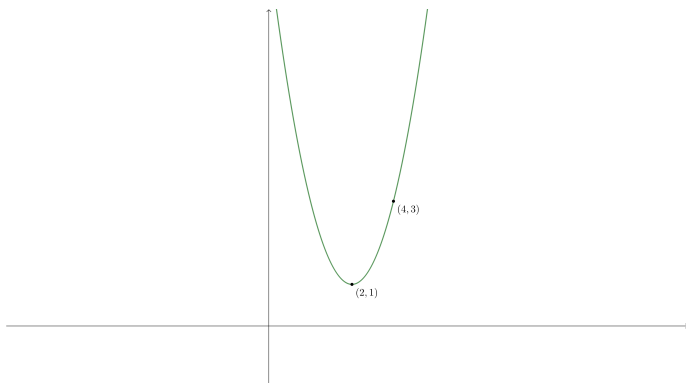
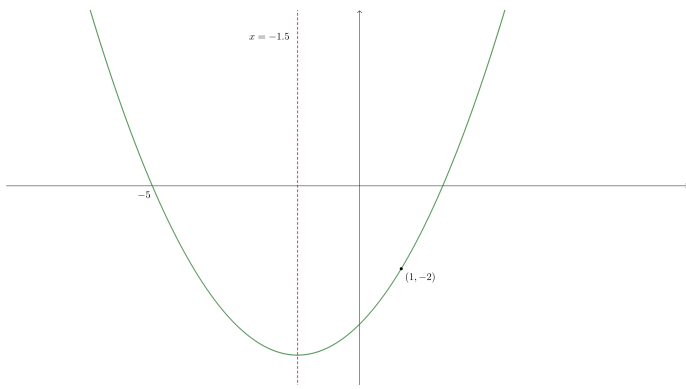
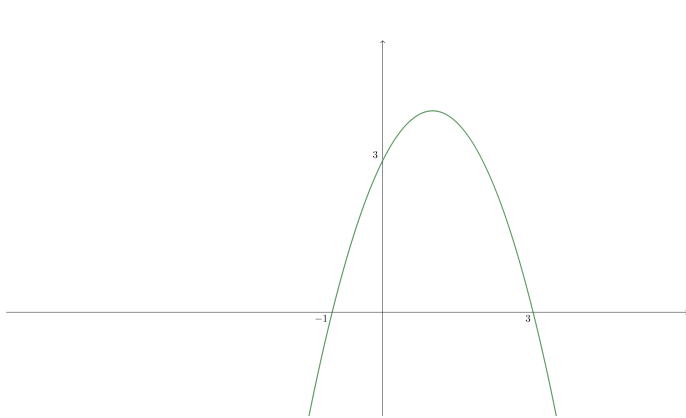
(6 points)

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

$$y = \frac{1}{3}(x - 2)(x + 3)$$

2. Find the equations of the quadratic functions given their graphs:

(6 points)



3. Solve the following equations:

(6 points)

a) $(x^2 + 3)^2 - 3(x^2 + 3) - 4 = 0$

b) $x - 7\sqrt{x-1} + 5 = 0$