Algebra 8 Quadratic graphs

Example 1:

If a quadratic curve has roots of -2 and 6. Write the quadratic as an equation in the form a + bx + c = 0

Question 1

A quadratic curve has roots x = 3 and x = -4.

1. Write the quadratic curve in the form a + bx + c = 0
2. Hence, sketch the curve

Question 2:

A quadratic curve has roots x = 2 and x= -1 and crosses the y – axis at (0 , -6)

1. Write the quadratic curve in the form a + bx + c = 0
2. Hence, sketch the curve.