

## SOLVING QUADRATIC EQUATIONS BY FACTORING – Day 2

Solve.

1) Find the solutions to the following quadratic equation:  $s^2 = 18s - 81$

2) What are the solutions that satisfy  $24x^2 - 8x = 0$ ?

3) What is the solution set of the equation  $156 = -2n^2 - 38n$ ?

4) Find the solutions to  $3r^2 - 12 = 0$ .

5) The area of a rectangular room is given by the equation  $L^2 - 5L = 66$ , where  $L$  is the length of the room. Find the length.