Divide both sides by a common factor, then factorise.

Rearrange if necessary, then take square roots of both sides.
Rearrange to find x.

Take out a factor of x, then either $x = 0$ or the bracket equals zero.

One of the brackets must be zero, so solve each one separately.

Use completing the square or the quadratic formula to solve this equation.

Use difference of two squares to factorise, then solve.

Factorise into two brackets, then solve.

Last updated 06-Jul-16