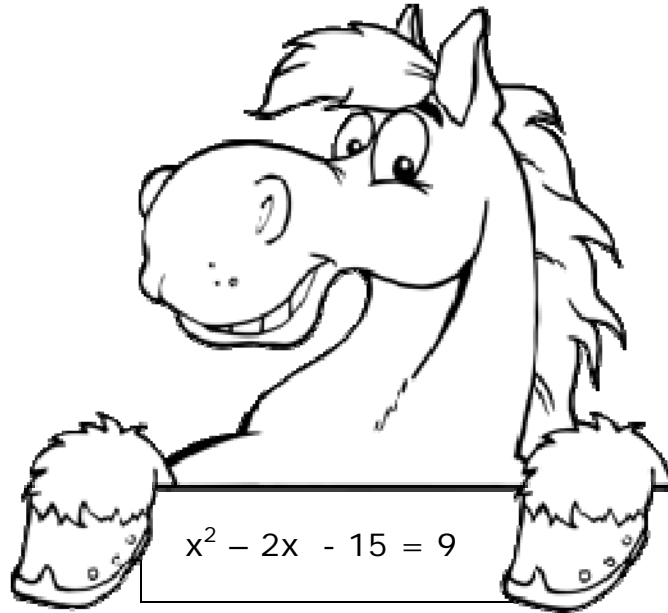Name _____   Date _____

Solving Quadratic Equations - Step-by-Step Lesson

Solve for x using the Quadratic Equation.

$$x^2 - 2x - 15 = 9$$

Explanation:

This gives simple linear equations. You have to solve by factoring

$x^2 - 2x - 15 = 9$

$x^2 - 2x - 24$ (Combine Like Terms)

$x^2 - 6x + 4x - 24$ (Factor)

$x\ (x-6)\ 4\ (x-6)$

$(x+4)\ (x-6)$

$x+4 = 0 \qquad x-6 = 0$

$x = -4 \qquad x = 6$