Name:
Date:
Period:

Unit 9 Practice Test, Version 2
Quadratic Equations
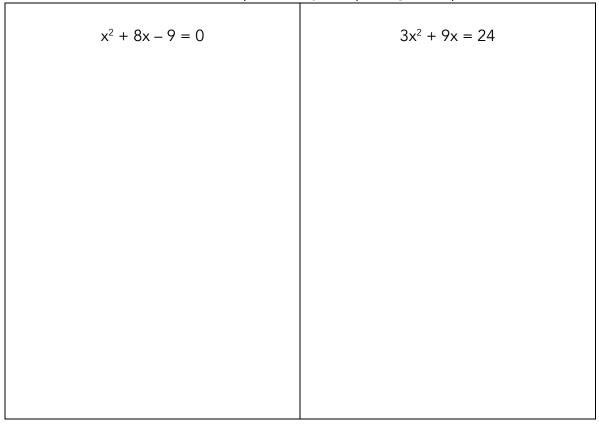
For each equation, show clear steps and solve completely.

9.1: Solve these equations by taking the square root of both sides.

$x^2 - 9 = 16$	$3x^2 + 10 = 177$

9.2: Solve these equations by factoring.

$x^2 + 3x - 18 = 0$	$3x^2 - 2x - 3 = 3x + x^2$

9.3: Solve these equations by completing the square.

$x^2 + 8x - 9 = 0$	$3x^2 + 9x = 24$

9.4: Solve these equations by using the quadratic formula.

$-x^2 - 10x - 12 = 0$	$x^2 + 4x - 6 = 2x^2 - 6x - 12$