

Group Members: \_\_\_\_\_

DATE: \_\_\_\_\_

### 1.1 Modeling and Equation Solving

Work with your group to solve the following equations.

<p>Solve the equation algebraically.</p> $5x^2 - x - 30 = 2x^2 - x$	<p>Solve the equation graphically.</p> $2x^2 + 1 = 2x$
<p>Solve the equation graphically.</p> $-x^2 = x - 9$	<p>Solve the equation algebraically.</p> $x(7x + 3) = 4$
<p>Solve the equation graphically.</p> $3x + 1 = 2\sqrt{x + 8}$	<p>Solve the equation algebraically.</p> $(x - 1)^2 = -4x$