

Group Members: _____

DATE: _____

1.1 Modeling and Equation Solving (Target 1A)

Work with your group to solve the following equations.

Solve the equation algebraically.

$$5x^2 - x - 30 = 2x^2 - x$$

Solve the equation graphically.

$$2x^2 + 1 = 2x$$

Solve the equation graphically.

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

Solve the equation algebraically.

$$x(7x + 3) = 4$$

Solve the equation graphically.

$$3x + 1 = 2\sqrt{x + 8}$$

Solve the equation algebraically.

$$(x - 1)^2 = -4x$$