

Name _____ Date _____ Pd _____

Chapter 9 Test Review #2

Solve each problem using the specified method. Show all work for full credit.

9.3: Solve using the square root method.

1. $x^2 + 8 = 19$

2. $9x^2 - 35 = 14$

9.4: Solve by completing the square.

3. $m^2 + 12m = -8$

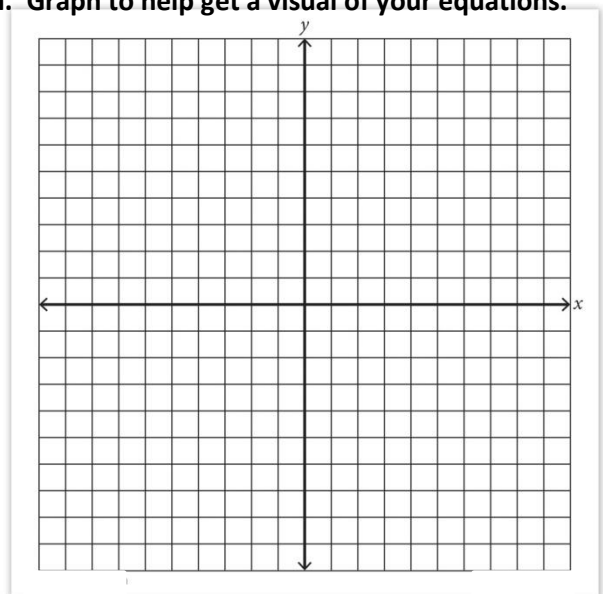
9.5: Solve using the quadratic formula.

4. $-3x^2 + 2x + 7 = 0$

9.6: Solve the system using substitution or elimination. Graph to help get a visual of your equations.

5. $y = 2x^2 + 3x - 4$

$y - 4 = 2$



Solve using any method you choose.

6. The function $h = -16t^2 + 48t$ represents the height h (in feet) of a kickball t seconds after it is kicked from the ground. Then graph the path of the kickball. Be sure to label the axes.

a) Find the maximum height of the kickball.

b) Find and interpret the axis of symmetry in terms of the problem.

