

ANSWER SHEET

Instructions: Place your answers to all problems on this sheet. Attach your work for the problems on the back. If answer doesn't fit on the answer sheet and is on your solution paper, indicate that in the answer slot below by writing "on solution paper".

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Worksheet: _____

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35. $\frac{2+3i}{2+5i}$

Solve each quadratic equation for complex solutions. Write the solution in standard form.

36. $(t + 4)^2 = -1$

37. $(2x - 5)^2 = -8$

38. $k^2 - 2k + 2 = 0$

Section 9.5 – More on Graphing Quadratic Equations

Give the coordinates of the vertex and sketch the graph of each equation.

39. $y = x^2 + 2$

40. $y = (x - 2)^2$

41. $y = x^2 - 6x + 11$