

AGS 2
Module 3.9 Homework

Name _____
Period _____

Simplify:

1) $\sqrt{-4} =$

2) $\sqrt{-100} =$

3) $\sqrt{-36} =$

4) $\sqrt{-40} =$

5) $\sqrt{-75} =$

6) $-2\sqrt{44} =$

Solve. Remember to set all equations = 0.

6) $x^2 + 100 = 0$

7) $x^2 + 24 = 0$

8) $x^2 - 6x + 13 = 0$

9) $x^2 - 2x + 5 = 0$

10) $x^2 - 5x = 7$

11) $2x^2 - 5x + 5 = 0$

Solve. Remember to set all equations = 0.

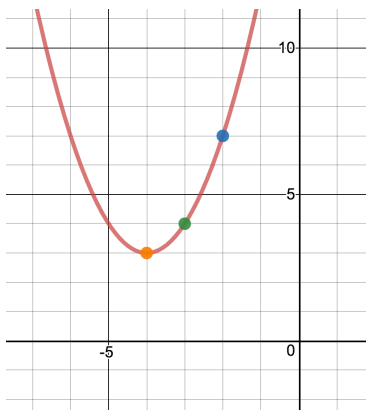
12) $2x^2 + 7x = -6$

13) $x^2 + 15x + 56 = 0$

14) $5x^2 - 3x + 7 = 0$

15) $6x^2 + 7x = 5$

16) Write in vertex form and then in standard form. Solve.



vertex form:

standard form:

solve: