**Algebra 2 Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Period: \_\_\_\_\_\_\_**

**Final Review WS #5**

**SHOW WORK – Box Answers**

**1.** Find the slope:

**3**. Find the inverse:

5. What is the value of

7. Simplify:

9. Solve:

11. How many ways are there to select 4 people from a group of 6? (Do not use a calculator)

13. Shelia invested $1500 at 4% annual interest, compounded weekly. How much money will she have after 6 years?

**2.** Find the equation of the line perpendicular to and goes through (-3,1).

4. Find the quotient of:

6. Simplify:

8. What is the point that represents the minimum value of

Graph the equation.

10. How many ways are there to place first, second, and third in a six person race? (Do not use a calculator)

12. Using a calculator: Find the value of

14. Write in simplest form: