Algebra 1 Placement Test

Directions: You may use a calculator. Show your work and circle your answers.

1. Evaluate: $-4^2 - (-10) \div 2$

2. Simplify by combining like terms: $-8x + 2y - x - xy - 7y + 3 + yx$

3. Solve for x: $5x - 3 = -4$

4. Two sisters purchased shoes. One sister paid $20 more than the other. If the total purchase was $90, how much did each girl pay for her shoes?

5. Find the average of the following scores: 5, 8, 7, 9, 5, and 9. (Round to the nearest tenth)

6. Hannah bought eight pounds of potatoes for $3.52. What is the price per pound?

7. What percent of 48 is 28.8?

8. Tony made a 14% commission last week. If the car cost $3100, what was Tony's commission.

9. What is the rate of a car which traveled 331 miles in 7.2 hours? (Round to the nearest tenth)

10. Find the least common multiple of 40x and 25xy.