Exam 3 (Verbal Problems) Review Sheet

1. Solve for x: $7(x-a)=3x-5a$

2. Solve for m: $6gm-5x=8p$

3. A 40-acre field yields 600 bushels of wheat. At the same rate, how many bushels of wheat will a 70-acre field yield?

4. Seventy-eight apples are to be distributed among Jim, Pam, and Michael in the ratio 3 : 4 : 6. How many apples does each person receive?

5. At Genesee High School, the sophomore class has 60 more students than the freshman class. The junior class has 50 fewer students than twice the students in the freshman class. The senior class is three times as large as the sophomore class. If there are a total of 1,905 students at Genesee High School, how many students are in the senior class?

6. If $n-3$ represents an even integer, write an expression that represents the next larger even integer.

7. Mr. Turner bought x boxes of pencils. Each box holds 25 pencils. He left 3 boxes of pencils at home and took the rest to school. Which expression represents the total number of pencils he took to school?
   (1) $22x$ (3) $25-3x$
   (2) $25x-3$ (4) $25x-75$

8. Sam has $2.05 in quarters and dimes. He has 4 more quarters than dimes. Find the number he has of each coin.

9. Twelve percent of the students at a school participate in a team sport. If there are 300 students at the school who participate in a team sport, how many students are there in the school?

10. There are only cherry and lemon flavored lollipops in a jar containing 51 lollipops. There are seven more than three times as many cherry lollipops as lemon lollipops. How many cherry lollipops are in the jar?