

## 2015 Math 3A Midterm Examination

Name: \_\_\_\_\_ Score: \_\_\_\_\_

1. Arrange the numbers in order: (*Begin with the greatest*)

(a) 3500, 3050, 5003, 350, 3005 (3 points)

(b) 3412, 3142, 4123, 2431 (3 points)

(c) 4761, 4082, 3761, 3671 (3 points)

2. (a) What is the smallest 4-digit number that you can make using all the digits 7, 5, 2, 6?  
(2 points)

(b) What is the greatest 4-digit number that you can make using all the digits 0, 4, 9, 8?  
(2 points)

3. Fill in the blanks. (6 points)

(a) \_\_\_\_\_ is 100 more than 3942

(b) \_\_\_\_\_ is 1000 less than 4507

(c) \_\_\_\_\_ is 10 more than 3850

4. Complete the following number patterns.

(a) 3098, \_\_\_\_\_, 5098, 6098, 7098 (2 points)

(b) 5006, 5106, 5206, \_\_\_\_\_, 5406 (2 points)

(c) 1302, 1301, 1300, \_\_\_\_\_, 1298 (2 points)

(d) 8903, \_\_\_\_\_, 8883, 8873, 8863 (2 points)

(e) \_\_\_\_\_, 7993, 7893, 7793, 7693 (2 points)

**5. Find the value of each of the following: (3 points each  $\times 12 = 36$  points)**

**(a)  $3490 + 1844 =$**

**(b)  $3589 + 2443 =$**

**(c)  $1266 + 2355 =$**

**(d)  $2645 + 3875 =$**

**(e)  $5243 - 2787 =$**

**(f)  $9000 - 6571 =$**

**(g)  $7042 - 5170 =$**

**(h)  $4173 - 654 =$**

**(i)  $214 \times 4 =$**

**(j)  $342 \times 3 =$**

**(k)  $500 \times 5 =$**

**(l)  $5 \times 704 =$**

**6. Word problems. (Please write each step when solving these questions)**

**(a) A factory has 2100 workers. 1340 of them are men. The rest are women.  
How many women work in this factory? (4 points)**

**How many more men than women are there? (4 points)**

**(b) Mr. Johnson had \$ 5000. He spent \$2572 on a computer and \$955 on a television set.  
How much money did he have left after purchasing a computer and a television? (6 points)**

**(c) Ms. Li saved \$ 1035. Ms. Wang saved \$278 more than Ms. Li. Ms. Zhang saved \$105 less than Ms. Wang. How much did Ms. Zhang save? (6 points)**

**(d) Mary practiced on the piano for 2 hours each day. How many hours did she practice in 7 days? (3 points)**

**(e) Brian made 270 vegetable sandwiches for a party. He made 3 times as many chicken sandwiches as vegetable sandwiches. How many chicken sandwiches did he make? (6 points)**

**(f) Lily reads 8 pages of a book a day. After reading the book for 4 days, she still has 5 pages to read. How many pages are there in the book? (6 points)**