| MAT 0012C | PRACTICE FOR EXAM | Name: |
|--------------|-------------------|----------|
| Practice | | Date: |
| Chapters 5&7 | | Section: |

PARTI

You may NOT use a calculator on this part of the exam.

Perform each indicated operation(s):

| 1. 2. 3. | 59.987 + 302.8210 + 2.07 + 9007.5 694.8201 - 72.982 347.2 × 70.02 | |
|---------------------------|--|--|
| 4. | 8692.34 ÷ 3.06 (round your answer to | |
| | the nearest hundredth) | |
| 5. | Round 287493.97257 to(2 points each)a)the nearest thousandthb)the nearest thousand | |
| 6. | Consider the number 56029.3861 (2 pts each) Identify the digit that is in the a) tens place b) tenths place | |
| 7. | Evaluate $9^2 + \sqrt{9}$ | |
| 8. | | |
| MAT 0012C Practice for | Name: Exam Date: | |

PARTII

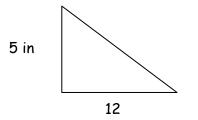
Ch. 5 & 7

You may use a calculator on this part of the exam.

9. Given a right triangle with one leg of length 8 inches and a hypotenuse of 16 inches, find the length of the other leg.

Section #:

10. Consider the following figure, and find the length of its missing side.



11. Solve each equation:

b) 4X + 6.92 = 6.7X - 3.5

12. Write the ratio 6.3 to 0.9 as a fraction in lowest terms.

13. Write the rate 89 miles to 12 gallons as a unit rate.

14. Determine whether the following proportion is true or false.

$$\frac{2.69}{8.49} = \frac{4.15}{10.89}$$

15. Solve the following proportion:

$$\frac{16}{7} = \frac{X}{24}$$

- 16. 3.4 feet of wood is needed to make 1 kite. How much wood is needed to make 18 kites?
- 17. Which is the better buy?

32 oz of soap A for \$4.59

or 64 oz of soap B for \$8.90

18. Simplify the following expressions:

- a) $6 1.5(6.81 7.88)^5 5.4163 + 8.9(9.2)$
- b) 6.45 2.36(4.12) + (-1.34)³